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THE CHEMIST AND DRUGGIST

ESTAB. 1859

REGISTERED AS A NEWSPAPER

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TELEGRAMS: "CHEMICUS, ESTRAND, LONDON" (2 words)

PUBLISHED WEEKLY AT 28 ESSEX ST., STRAND, LONDON, W.C.2

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No. 2627. JUNE 14, 1930. Vol. CXII.

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The lease of the entire premises at 42 Cannon Street, of which the four well-lighted upper floors have been in the occupation of Morgan Brothers (Publishers), Ltd., the Ground Floor and Basement being sub-let to the Aerated Bread Co., Ltd., is in consequence for sale.

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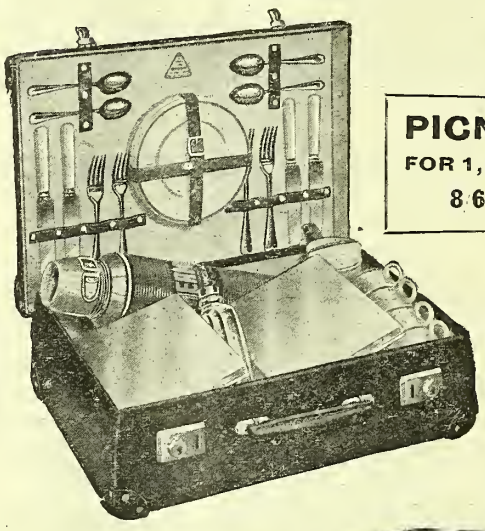

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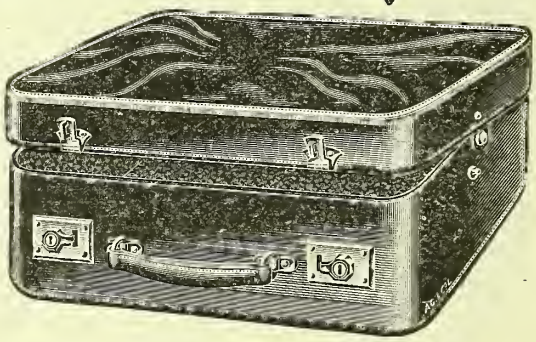

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NO INKY TASTE. DOES NOT BLACKEN THE TEETH.
A DELIGHTFUL CHERRY FLAVOUR ONLY.

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CHEMISTS' EXHIBITION, 1930

WE take this opportunity of expressing what great pleasure it gave us to renew so many old and valued acquaintances at the Exhibition, and also to make so many new friends, from both Home and Overseas.

We are proud to think that practically every Chemist in the Country knows and recommends our Goods. Such essentially scientific products as Dyes are among the chief Specialities which the Public naturally expect to find in any Pharmacy, and we are thoroughly convinced that Chemists will give ever-increasing support to the House which has all along made co-operation with the Chemist a leading feature of its policy.

WHITAKER & CO. (KENDAL) LTD.

Dye Specialists for Chemists

KENDAL, ENG.

Makers of "LUTON" STRAW HAT DYES, "AURORAL" COLD WATER DYES, "VELT" (The Super Cleaner), "DYEFLIT" (The Magic Colour Remover), and a full range of Stains, Varnishes, Colours, and Dyes for all purposes, specially adapted for Home Use. All our goods are packed in a tasteful and high-class manner, making them worthy of display in any Pharmacy. Their quality is the finest obtainable.

The Moorland Advertising is making New customers for you

The bold and forceful advertising for Moorland Brand Indigestion Tablets is now appearing in the leading National Newspapers, and we are bringing before the notice of thousands of possible NEW customers the undoubted merits of these tablets. We are leaving no stone unturned to introduce Moorlands to every possible purchaser, and this enterprising and practical selling effort is increasing the already huge demand for them. Every Pharmacist will find it profitable to co-operate with us in this big advertising scheme and reap the reward of increased sales and expanding trade. Moorlands are not sitting still on their present record, they seek to serve still MORE SATISFIED CUSTOMERS. Pharmacists have proved that Moorlands is the ONE line of its kind they cannot afford to overlook.

A WINDOW DISPLAY WILL BRING MANY NEW CUSTOMERS TO YOUR PHARMACY

Plenty of very Attractive Display Material is available with every order.

W. B. CARTWRIGHT LTD RAWDON LEEDS

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WAIDES of LEEDS

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To merely "copy" a design, or a wording, is no accomplishment and does not come under any trade or professional category. It is, in fact, a useless expenditure of time and money, as a thing or an advertisement is only original *once*, and after that its interest is lost and all originality is thus gone.

We try in all our specialised lines and our own advertising to be at least original.

Often we find the "copy cat" has intervened, but that is not our loss, as if it is thought that our ideas and our designs are worthy of copying, then we have the satisfaction, at least, of knowing that interest has been obtained in the original.

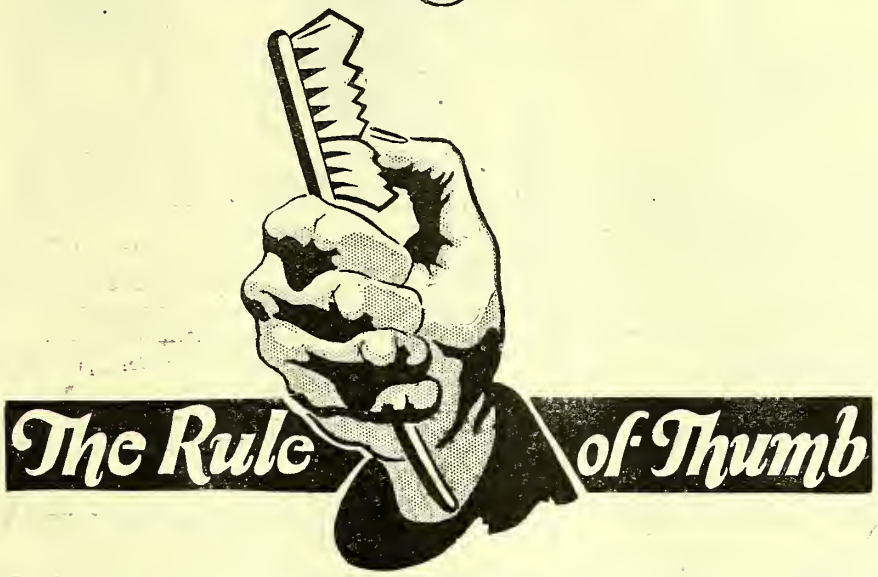
If you are looking for something, no matter how small or how large, that you wish to be really original and away from anything that has yet been produced, send your enquiry along to us and we will do our best to give you what you want. If we don't succeed the first time we will submit further suggestions until we have proved that we are not "copy cats," but

Printers with Original Ideas

Thomas Waide & Sons Limited Kirkstall Road — Leeds —

Send YOUR Enquiries to Waides, Printers — Leeds —

Maw's Page



Both literally and metaphorically speaking, most customers buy tooth brushes by rule of thumb. You know the process: the fingering and thumbing of the bristles, the wise look and the almost random choice, based purely on guesswork—Rule of Thumb.

It's all very unsatisfactory, of course; bad for the brushes, bad for you, and bad for the customer. Unhygienic, insanitary, ruinous to stocks, time wasting, and in the end almost always disappointing.

Fortunately, the method is being rapidly superseded. Meritor tooth brushes and the Meritor Display Case have changed the whole routine of tooth-brush buying.

When the Meritor tooth brush display case takes its place on your counter it is a sign that you have put your tooth brush business on a sound, satisfactory and efficient foundation, that you have adopted modern methods.

There is no longer any guesswork for the customer and no spoiled stocks or risk of lost reputation for you. There is no invitation to thumb the brushes and render them unfit for sale. Yet the whole range is in sight and any brush can be removed instantly for inspection if desired.

And when a sale is made the chosen brush is taken from its own drawer in its own carton and handed to the customer in a twinkling. The choice has been made in the shortest possible time, a wise choice by commonsense methods, and all risk of dissatisfaction is eliminated by the printed guarantee enclosed in each carton.

And from your point of view the transaction is as satisfactory as it is from the customer's—a profit of 50 per cent. on cost and a guarantee that repeat business shall not go to outside competitors, for Meritor brushes are only supplied to pharmacists.

Adopt efficiency methods for increased profits. Give the Meritor case the place on your counter it deserves.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

TRADE MARK

ROBINSON'S *of* CHESTERFIELD *for* CARDBOARD BOXES

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON

BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance.

Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

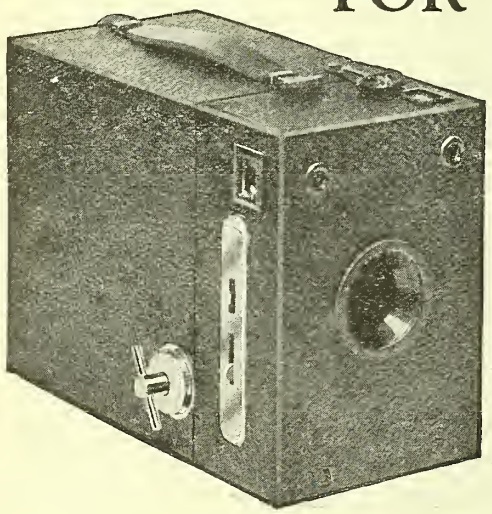
Blank panel on reverse side for printing in Customer's name and address.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

CHESTERFIELD

FOR YOU TO TRY YOURSELF



A BRITISH MADE 'CORONET' CAMERA

Complete with portrait attachment, side and upright viewfinders, time and instantaneous shutter.

AT **7/6** TO THE PUBLIC

JUST FILL IN THE COUPON.

Please send me at this address, without charge or obligation, one No. 2 'Coronet' Camera, which I will undertake to return if I am not interested.

Name .....

Address .....

THOS. CHRISTY & CO.

4-12 Old Swan Lane, E.C.4

It couldn't be otherwise!

Selo Film is selling like hot cakes — *because*

1 It's a jolly good film, the joint production of IMPERIAL, ILFORD, ILLINGWORTH, RAJAR, GEM, & WELLINGTON.

2 It is advertised in National and Provincial papers that cover the whole country giving a combined circulation of 12,000,000.

3 Selo is the fast film with latitude.

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Daily Mail
Daily Express
Daily News
Daily Herald
Daily Mirror
Daily Sketch
Radio Times

PROVINCIALS
Manchester Daily Dispatch
Manchester Evening News
Liverpool Echo
Yorkshire Telegraph and Star
Yorkshire Evening Post
Hull Daily Mail
Newcastle Evening Chronicle
Notts Evening Post
Birmingham Daily Mail
Birmingham Despatch
Staffs Daily Sentinel
Lincolnshire Echo
Bristol Evening Times and Echo
South Wales Echo
Western Evening Herald
Southport Visitor

Guernsey Star
Jersey Morning News

SCOTLAND
Glasgow Evening Times
Glasgow Daily Record
Edinburgh Evening News
Dundee Evening Telegraph
Aberdeen Press and Journal

IRELAND
Belfast Evening Telegraph
Irish Independent
Cork Evening Echo

SELO
The fast FILM

For sale in Great Britain and Ireland only.

Selo Advertising Dept.
134 *St. Albans Road, Watford.*

A joint Product of, combining all the merits of, and distributed by.
IMPERIAL | ILLINGWORTH | GEM
ILFORD | RAJAR | WELLINGTON

GILLETTE
MAKE AN IMPORTANT ANNOUNCEMENT

Bigger blade-profits for YOU–to become effective from June 18, 1930

From June 18, 1930, the selling prices of Genuine Gillette 3-hole blades will be reduced to :—

2/6 per packet of 10
1/3 per packet of 5

Corresponding reduction to Wholesalers and Retailers

In order to co-operate to the fullest possible extent Gillette will adjust your present stocks of Genuine Gillette 3-hole blades. All you have to do is to advise the Gillette Safety Razor Ltd. IMMEDIATELY of the amount of your present stocks and have them adjusted accordingly.

Do it at once! This offer closes on June 17, 1930.

Imagine the instant impetus to your sales from this unprecedented reduction in prices. Think of the increased profits that will come immediately to you from these greatly reduced trade terms.

Your sales must go up! The number of your customers must increase!

Be ready to begin on June 18!

Advise the Gillette Safety Razor Ltd. TO-DAY of your existing stocks, and cash in at the start of these bigger and better profits on genuine Gillette 3-hole blades.

GILLETTE SAFETY RAZOR LTD.
184/8 Great Portland Street, London, W.1

MOSQUITOS and MIDGES
Change their Direction
when they scent
"ASTINGOL"

A protecting personal perfume for all who engage in outdoor pursuits—tennis, golf, motoring, boating, etc.

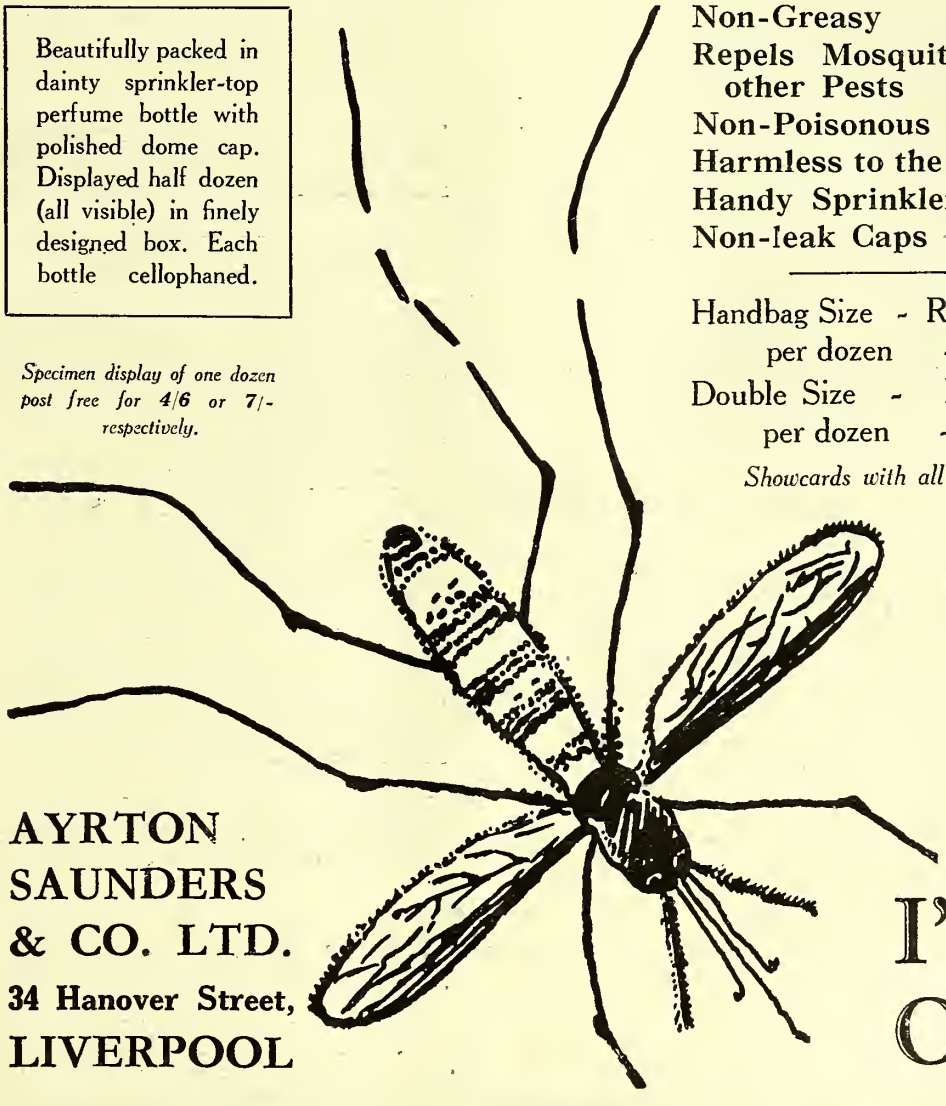
Beautifully packed in dainty sprinkler-top perfume bottle with polished dome cap. Displayed half dozen (all visible) in finely designed box. Each bottle cellophaned.

Specimen display of one dozen post free for 4/6 or 7/- respectively.

Pleasantly perfumed ::
Non-Greasy :: ::
Repels Mosquitos and other Pests :: ::
Non-Poisonous :: ::
Harmless to the User ::
Handy Sprinkler Bottle
Non-leak Caps :: ::

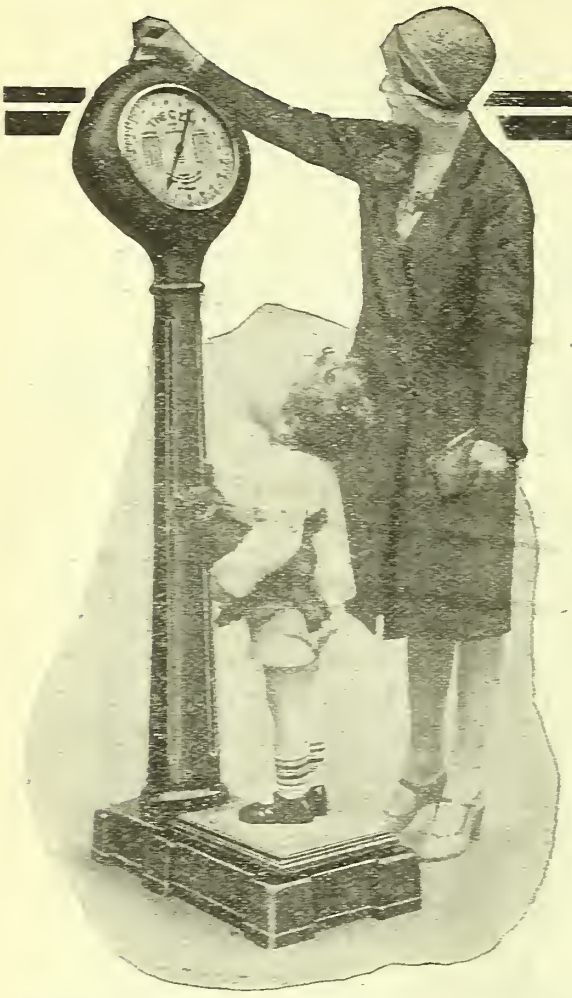
Handbag Size - Retail **7½d.**
per dozen - **4/6**
Double Size - Retail **1/-**
per dozen - **7/-**

Showcards with all orders.



AYRTON SAUNDERS & CO. LTD.
34 Hanover Street, LIVERPOOL

I'm Off



INFANTS or ADULTS!—The Gem registers any weight with scrupulous accuracy from one pound to twenty stones.

AGENTS—

LONDON	Herbert & Sons, Ltd., 6 7 West Smithfield, London, E.C.1 206 Goswell Road, London, E.C.1.
"	S. Maw, Son & Sons, Ltd., 7 12 Aldersgate Street, London, E.C.1.
"	Shefras Novelty Co., Fetter House, 54-55 Fetter Lane, London, E.C.4.
LIVERPOOL and MANCHESTER	Berry & Warmington, Ltd., 28 37 Byrom Street, Liverpool. 40 Thomas Street, Manchester.
IPSWICH	The Eastern Scale Co., Ltd., Crown Street, Ipswich.
NEWCASTLE-ON-TYNE	Mordue Bros., Ltd., 67 Newgate Street, Newcastle-on-Tyne.
CARDIFF	Preston & Thomas, Ltd., 15 Caroline Street, Cardiff.
SHEFFIELD	Charles Ross, Ltd., Aizlewood Road Works, Sheffield.
SOUTHAMPTON	C. A. Wedderburn & Co., 54 Bernard Street, Southampton.
BELFAST	W. R. Simpson & Son, Ltd., 27 28 Smithfield Square, Belfast.

FOR SCOTLAND AND EXPORT:
The Gem Automatic Weighing Machine Co., Ltd., 48 New City Road, Glasgow, C.4.
Applications are invited for the Gem Agency Abroad and throughout the Empire.

This GEM drew over £30 in one month!

AT the well-known Scottish watering resort, Dunoon, the drawings from one Gem were over £13 in one week, the total for a single month being over £30.

The above is only one of the many instances brought to our notice of the remarkable earning powers of the Gem.

LET THIS GEM MAKE MONEY FOR YOU!

The GEM Machine, with its beautiful lines, enhances the appearance of any Chemist's or Druggist's Shop. It is a genuine money-maker, and works for you without attention.

AND A PROOF OF ITS QUALITY!

The Gem has just been purchased by the Corporations of Glasgow and Blackpool.

The finish is in first-class cellulose in three standard colours, mahogany (grained), light blue and royal blue—with chromium-plated untarnishable metal Bezel and penny top.

Ask our nearest Agent to demonstrate the Gem. Get particulars of the attractive terms of purchase.

The GEM

Automatic Weighing Machine Co. Ltd.
46, NEW CITY ROAD, GLASGOW, C.4

Castols

Nice as Chocolate

"No more Castor Oil"

To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents, Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & Co. Ltd.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, England.
ESTABLISHED 1797

COPYRIGHT

The Outstanding Success at the Exhibition!

Our confidence in Bristow's Wallflower Series has been fully confirmed by its reception at the Chemists' Exhibition.

It is clear from the orders and enquiries received that the profit building possibilities of the new line have caught the imagination of the trade.

If you have not yet sent for your Special Bonus Parcel, there is no time to lose, **as the Bonus period definitely expires on 30th June.** Don't put it off—write for details to-day.

T. F. BRISTOW & Co LTD

—Colindale, London, N.W.9—

Telephone: Colindale 6474. Established 1777.

A BONUS ON THESE TRADE PRICES

English Wallflower Series:	Trade Retail doz.	each
Perfume Miniature Bottle Ind. Square Stoppered Bottle (½ oz.), packed singly in artistic box -	24/-	3/-
Do. do. (1 oz.) -	40/-	5/-
Do. do. (2 oz.) -	72/-	9/-
Toilet Soap (each Tablet cellophane wrapped) (½ doz. to box) - - - -	4/-	6d.

BOURJOIS

ANNOUNCE IMPORTANT REDUCTIONS IN THE PRICES OF

Ashes of Roses

BOURJOIS — PARIS

FACE POWDER

Your customers can now buy the exquisite "Ashes of Roses" Face Powder at prices within the reach of all.

These reductions are possible owing to the enormously increased demand for our popular Face Powders and the consequent greater output, *AND WILL GIVE A TREMENDOUS IMPETUS TO YOUR SALES.*

THIS SIZE (FORMERLY 1/9) NOW 1/-

THIS SIZE (FORMERLY 3/-) NOW 1/9

Cat. No. 103 NEW Trade Price, 8/- doz.

Cat. No. 3 NEW Trade Price, 14/- doz.

The reductions are made forthwith, but full provision has been made to cover the Retailers' stocks at present on hand, purchased at the higher prices. You will certainly need more stock which you can buy on attractive terms.

THE CAMPAIGN IN THE NATIONAL PRESS STARTS IMMEDIATELY. The reductions are made forthwith, and to acquaint your customers and the public generally of the wonderful value we are now offering, a very extensive press campaign is being launched immediately.

CREDIT ARRANGEMENTS AND BONUS OFFER. If you have not received the broadsheet giving full particulars in this connection, please send a postcard to the Sales Department,

A. BOURJOIS et CIE Ltd 4 Water Lane LONDON, E.C.4.

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Telephone HOLBORN 9669

Toilet Specialties.	Price per doz. to Retailer	Selling Price P.A.T.A
PILLNTA SOAP .. .. A plexion soap.	10/-	1/-
PROLACTUM .. .. For the lips.	10/-	1/-
PARSIDIUM JELLY .. For wrinkles.	10/-	1/-
ALLACITE OF ORANGE BLOSSOM .. .. A dressing cream.	22/6	2/6
BORANIUM .. .. A hair tonic.	22/6	2/6
CLEMINITE .. .. For a face lotion.	22/6	2/6
COLLIANDUM (Powder & Solide:) For a face tint.	22/6	2/6
PERGOL .. .. .. A deodorant.	22/6	2/6
TEKKO PASTE .. .. Camphor cream.	22/6	2/6
STALLAX .. .. For a shampoo.	13/6 22/6	1/6 2/6
JETTALINE .. .. .. For clearing the skin.	31/6	3/6
PHEMINOL .. .. A depilatory.	36/-	4/-
MENNALINE .. .. For the eyelashes.	36/-	4/-
MERCOLIZED WAX .. A face cream.	18/- 31/6	2/- 3/6
STYMOL .. .. For oily complexions and blackheads.	36/-	4/-
SILMERINE .. .. Hair-curling fluid.	22/6	2/6
BARSYDE .. .. Dandruff eradicator.	22/6	2/6
TAMMALITE .. .. For grey and faded hair	22/6	2/6
LIQUID PERGOL .. .. To check excessive perspiration locally.	31/6	3/6
BICROLIUM .. .. For whitening the hands.	22/6	2/6
COCONOIDS .. .. For figure development.	31/6	3/6
SIPOLITE .. .. A new depilatory.	18/-	2/-

The Products of

Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES .. For obesity.	36/-	4/-
SOFT PALERIUM .. For wrinkles.	45/-	5/-
LIQUID NAIL POLISH .. Brilliant and lasting.	10/-	1/-

Stocked by ALL Wholesale Houses.

FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS., & KARNOVSKY, LTD., Johannesburg.
India: FRAMJEE & SON, Bombay.
A. L. CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

GOSNELL'S
ORIGINAL
Cherry Tooth Paste

IN TUBES
10d. & 1/3

IN POTS
1/6 & 2/-

Red Rose of England Face Powder

JOHN GOSNELL & CO., LTD.
Perfumers and Fine Soap Makers
211-215, Blackfriars Rd., S.E.1
LONDON
Established 1760

JACKEL'S HAIR CREAM

The Original Hair Cream

Tested and tried through forty years, Jackel's is firmly established in public confidence—demand is steady and increasing—sales are rapid.

See that Jackel's is in your stock.

11/6 per dozen, selling at **1/6** per bottle.
18/- „ „ „ „ **2/6** „ „
Dr. Blanchard's Solidified Brilliantine
20/- doz., selling at **2/6** per Jar.

JACKEL ET CIE (of Paris), Ltd.,
High Class Perfume Manufacturers.
73, Robertson Street, GLASGOW.

WE MANUFACTURE SAFETY RAZOR BLADES FOR ALL CLASSES OF TRADE.

		RETAIL AT
POPULAR	**EMMAH**	**2d.** *each*
"P.C."	- -	**1d.** *each*
PLANET	- -	**3d.** *each*

WITHOUT EQUAL IN THEIR CLASS.

Send for particulars of our new FREE GIFT SCHEME in connection with PLANET BLADES.

Enquiries and quotations promptly attended to.

EMMAH PRODUCTS, LTD.

14-16 LOWER CLAPTON ROAD, LONDON, E.5

the link

Between the people who make Hinds Honey and Almond Cream and the people who buy. Between our National Advertising and your business there is one link . . . the window of your shop.

All materials for this outstanding Hinds Cream display will be supplied willingly on request.

HINDS HONEY & ALMOND CREAM

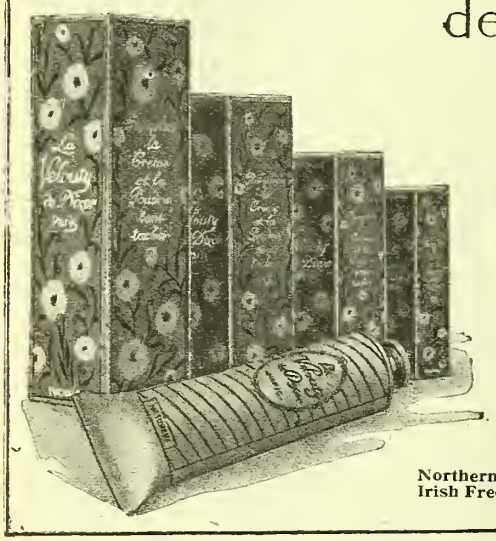
A. S. HINDS LIMITED, Kingston Road, S.W.20

B B

the original combined Cream and Powder

la VELOUTY

de DIXOR Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—Full size pot -	21/- doz.	RETAIL	2/9
Super tube -	22/- ,,	,,	3/-
Large tube -	14/- ,,	,,	2/-
Medium tube	7/- ,,	,,	1/-
Handbag tube	3/- ,,	,,	6d.

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents :

DEBACQ & HARROP,

68 Newman Street, Oxford Street, London, W.1.

Sole Distributors for

Northern Ireland : ROBERT MAYRS & CO., 43 Chichester Street, BELFAST

Irish Free State : MAY ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

TATCHO

THE

HAIR RESTORER

PROMOTES, PRODUCES, BEAUTIFIES THE HAIR

Sample Size 6D.

6 Bottles in Case for Counter Display, 4/- PER DOZ.

1/3 size .. 12/6 per doz.
2/9 size .. 26/- per doz.

TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

IF IT SHAVES IT'S WANIE

The Blade that SELLS as it SHAVES—

" LIKE GREASED LIGHTNING ! "

Obtainable from all leading Wholesalers.

FREE SAMPLE ON REQUEST

Dept. C.D., WANIE DISTRIBUTING CO.,
89 Aldgate High Street, E.C.3.

Irish Free State Agents:
Messrs. W. A. FREEDMAN & CO., 21, Merchant's Quay, DUBLIN.

1/3 PROFIT ON EVERY BOTTLE SOLD

The new eyebrow beautifier, "PERM BROW," has gained the instant approval of smart women everywhere. It is waterproof, does not rub off, is easy to apply, and lends a lasting charm.

PERM BROW

Our consistent consumer advertising has created an increasing demand. Get a stock now—every bottle gives you 1/3 PROFIT !

Obtainable from all wholesale houses or direct from our West End sales office :—

MIRUS LTD., 53a MADDOX STREET, W.1

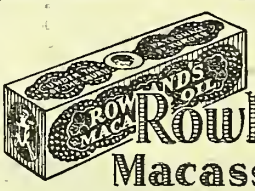
Tried & Proved

Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 137 years and everywhere it is held in the highest esteem. It is guaranteed to contain no injurious substance

P.A.T.A. 3/6,7/- & 10/6

Red for dark hair; golden for fair or grey hair.

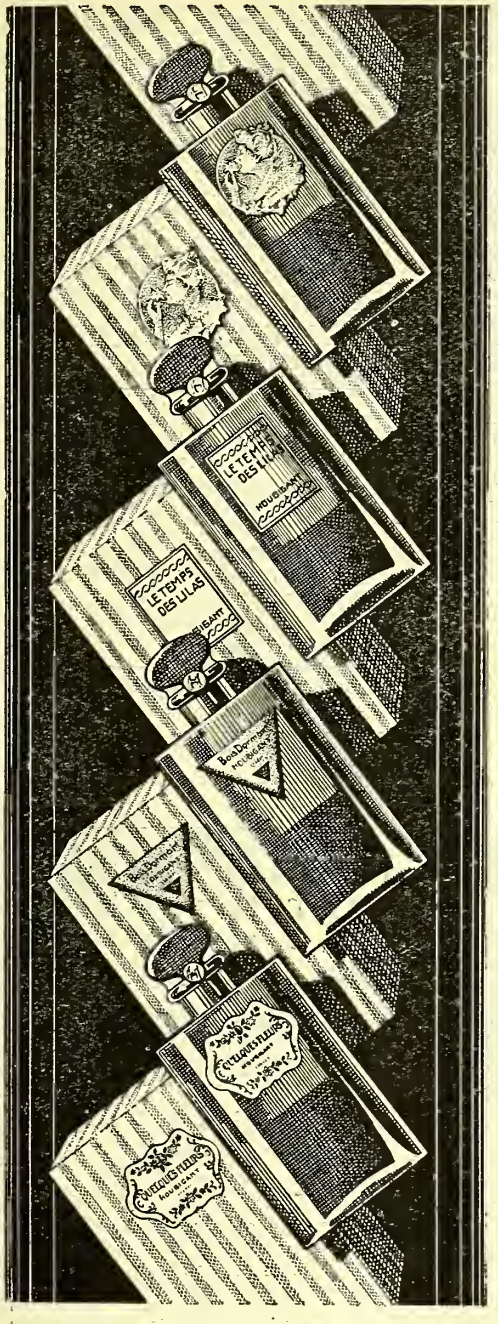
From all Wholesalers



Rowland's Macassar Oil

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

BM4T



LARGELY INCREASED SALES AWAIT THE RETAILER WHO IS PREPARED

HOUBIGANT INTRODUCE THEIR MOST FAMOUS PERFUMES IN A COMPLETELY NEW SERIES RETAILING AT 3/3.

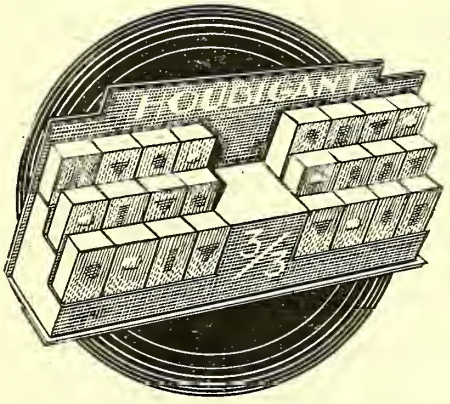
The famous perfumes "BOIS DORMANT", "QUELQUES FLEURS", "LE TEMPS DES LILAS", "LE PARFUM IDÉAL" are now within the purchasing possibility of a larger public.

Don't miss sales. Stock with confidence and tell all your customers about it.

AN ARTISTIC STAND for 24 perfumes is supplied FREE with orders. Display it in your window or counter - or both - where it can be seen, and you will sell automatically.

Don't fail seeing our Representative when he calls; he will make you an interesting proposition.

All 4 perfumes to retail at one price 3/3



HOUBIGANT

PARIS

Larden Road PARFUMERIES DE PARIS Ltd. Acton-London

Solves the Tooth Brush Question

Tooth Brushes have always been a difficult line to serve, but with the aid of this Stand customers can serve themselves.

It is also a useful Stand for displaying Soaps, Tooth Pastes, etc.

No. CDSF **2851**—Very attractive **COUNTER DISPLAY STAND.** Constructed of mild steel finished Silver colour and complete with four clear glass trays size 11½×7×1 in. Each tray is slightly sloped rendering the goods easy to see and select from. The overall height is 15½ in., width 12 in., back to front 15 in.

22/6 each complete.

Send for a copy of our new full 48-page List No. CD 1180, free on request.

DUDLEY & COMPANY LIMITED

451 Holloway Road, London, N.7

City Showrooms: 65-66, Fore Street, E.C.

Pay more for "MIRROR" Blades -

THE NEW WATTS "MIRROR" BLADES

they're worth it

These wonderful blades with their

RUSTLESS REINFORCED EDGES OF STAINLESS STEEL

treated by a secret process are worth the extra cost. They are keener and give more and better shaves than any others on the market. The Edges are absolutely rustless in any climate.

WATTS "MIRROR" BLADES

Packed in Patent Spring Lid Nickelled Containers of

10 *for* 5/- Giving the retailer 66⅔% PROFIT on cost

JOHN WATTS

SHEFFIELD AND LONDON

LIMITED

LAMBERT WORKS - - SHEFFIELD

Established over 150 years

LONDON: 18 SOHO SQUARE, W.1

Your customers want your help about this.

When a woman comes into your shop and asks you for a safe, reliable hair-tinting method, she depends entirely on your advice and help. What an opportunity for you! You can recommend Nuctone wholeheartedly. Nuctone is doubly safe—it is *guaranteed* free from poisonous ingredients so that it cannot hurt the most sensitive scalp, and it has been *proved* 100 per cent. successful at demonstrations throughout the country. *Anyone* can achieve perfect results at home with Nuctone, merely by following the simple instructions on the package. Widespread national advertising has already told women about Nuctone. See that you are ready to get *your* share of the steadily increasing demand for Nuctone.

NUCTONE

FOR GREY HAIR

4 Grades — Nuctone Eclaire, Eclaire Concentre Nuctone and Nuctone Concentre.

3/9 per bottle, 32/- per dozen.

6/6 per bottle, 52/- per dozen.

ARTWITE banishes yellow tinges from grey or white hair - - **66/- per dozen.**

Order through your usual wholesaler, or from

J. C. GAMBLES & CO., LTD.

211 BLACKFRIARS ROAD, LONDON, S.E.1

Odol

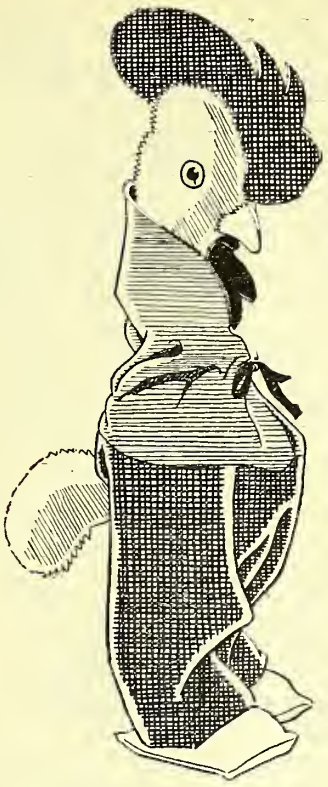
TOOTH PASTE

2 fast sellers

Consistent and ever increasing advertising in the Press supported by attractive posters on thousands of hoardings and up-to-date talking films, is creating more demand for these two splendid all-British products.

Odol

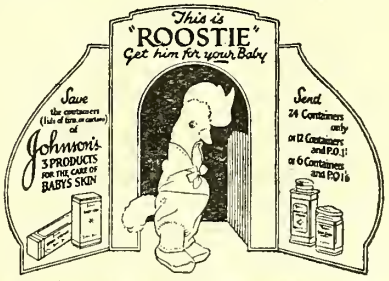
MOUTH WASH



A Gift Scheme to sell more Johnson's Baby Products— in which we do the work!

Here for once, is a gift scheme that doesn't involve you in work — that doesn't require you to lift a finger beyond your general routine. From now until the end of the year we are giving Roostie away free to the public in return for 6 lids from tins of Johnson's Baby Powder or cartons of Johnson's Baby Soap or Cream, and a P.O. for 1/6: or, 12 lids (or cartons) and a P.O. for 1/-: or, 24 lids (or cartons) only. In this scheme a real Baby Gift is associated with Baby Products, and its whole purpose is to help you increase the sales of Johnson's Baby Products during the summer months. The actual sending in of the cartons and the dispatch of the gifts will be between the public and us. You will have nothing to do except sell. Information and entry-forms for the public will be sent out with each package. You will have nothing to distribute, nothing to explain, nothing to dispatch —and no coupons. Gift-Scheme Advertising Starts July 12th in the following national newspapers: DAILY MAIL, DAILY EXPRESS, DAILY NEWS, DAILY MIRROR and DAILY SKETCH.

The ROOSTIE Window Display. Specially designed to link up with the advertising. 20 ins. high by 24 ins. wide. Attractively coloured in chocolate, orange and white. ROOSTIE stands out against a black recessed background.



To Messrs. JOHNSON & JOHNSON
(Gt. Britain) LIMITED
SLOUGH, BUCKS.

Please supply.....doz. tins of Johnson's Baby Powder, ...doz. tablets of Johnson's Baby Soap. .....doz. jars of Johnson's Baby Cream. .....doz. tubes of Johnson's Baby Cream.

Name .....

Address .....

.....

STOCK UP NOW — WITH NEW SUPPLIES OF JOHNSON'S BABY PRODUCTS

MASON PEARSON
HAIR-BRUSH

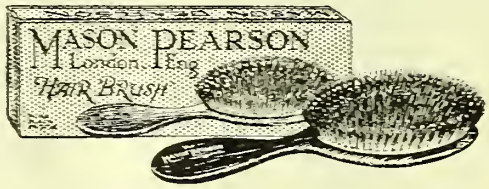
The Brush which is asked for

There is only one hair-brush which is equally suitable for people of both sexes and all ages:—The "*MASON PEARSON*" Brush. It brushes much more quickly than any other brush. It brushes more efficiently. It cleanses the scalp more gently and thoroughly than any other brush. It disentangles long hair without tugging it, and restores the "set" to ruffled hair.

The reason is that all "*MASON PEARSON*" Brushes are made of the most perfect hair-brushing material—*the black unbleached bristle of the Indian Wild-Boar*—which, arranged by our special patented method in a pneumatic rubber cushion, makes the highest grade Hair-Brush obtainable to-day.

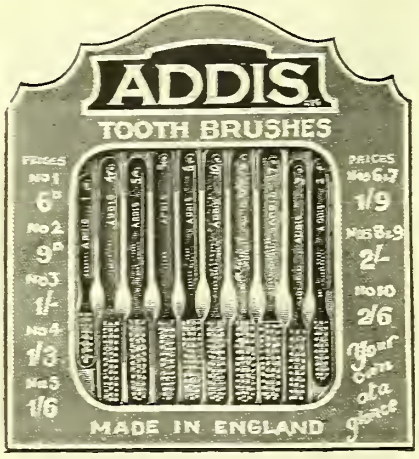
The "*MASON PEARSON*" Brush is known and asked for everywhere by its name.

The brushes are made in eight models, retailing from 3/6 to 18/6, all subject to generous discounts giving you a substantial living profit. Can be supplied through your usual wholesaler.



MASON PEARSON SELLING AGENCY, LTD., 59 *NEW OXFORD ST., LONDON, W.C.1*

SPECIAL SPRING OFFER



This neat and attractive showcase is offered free with orders for 70 Addis Celluloid Tooth Brushes (one each of ten patterns for display and six of each for stock) selling retail from **6d.** up.

Wholesale Price **45/-** nett. Retail Value **£5 5s.**

From all Wholesalers.

ADDIS, BRUSH WORKS, HERTFORD.

ESTABLISHED 1780

Kept BEST by Test——

a scientific test that reveals the least variation from RODGERS' inimitable standard.

Write for full details.

JOSEPH RODGERS & SONS, Ltd., SHEFFIELD.
Cutlers to His Majesty.

SCISSORS

ENQUIRIES INVITED

GILL, HERBERT & CO., Ltd.

CUTLERY MANUFACTURERS,

Wheeldon Street, SHEFFIELD

Moderately priced—
yet unsurpassed
at ANY price

MYATT
DAYMARK
BLADES

For double-edge razors

Five for 1/3
50% PROFIT ON COST

Sole Manufacturers
W. J. MYATT & CO., LTD.
BIRMINGHAM

3 reasons why
YOU SHOULD DISPLAY
THIS NEW CARD
ON YOUR COUNTER

1 QUICK SALES

2 HANDY PACKETS

3 POPULAR PRICE

To meet the popular demand "Eclipse" Blades are now put up in *one shilling packets of three blades* on attractive Display Cards, in addition to the standard packets of 5's & 10's.

5 for 1/8

Order your card to-day from your usual Wholesaler, or direct from the Manufacturers.

Made by
JAMES NEILL & CO. (SHEFFIELD) LTD.
Crucible Steel Manufacturers, SHEFFIELD.

3 for 1/-

IS HE WORKING FOR YOU?

This smart boy has already taken up his duties in many Chemists' Shops, introducing

ROTBART
SUPERFINE
BLADES

Let him help you

Rotbart
SUPERFINE
Blades
will give satisfaction to the most fastidious as they are the acme of technical achievement Try for yourself, and introduce to your customers with confidence.

APPLY FOR SAMPLES

5 Blades 1s. 9d.

Ask your Wholesaler or write to

BRITTAIN PATTERSON & Co.
10 Manchester Av.
Aldersgate Street,
LONDON, E.C.1

The most absorbent Rubber Sponge in the world . . . . Delightfully soft . . . . Free from grit . . Never gets foul Improved by soap . . . . . Invaluable in the sick room . Lasting qualities.

IT NEVER CRUMBLES.

Also

SORBELLE

SORBELLE is the newer Sorbo range of Sponges, having all the Sorbo consistency and softness, but is offered at prices to meet foreign competition. Sorbelle, although offered at low prices, is nevertheless a GENUINE SORBO PRODUCT.

Sorbo
TRADE MARK

Sole Manufacturers:

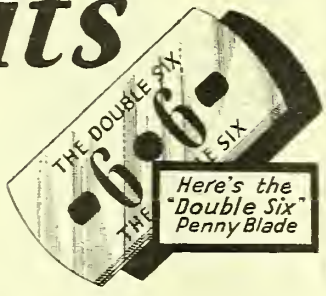
SORBO RUBBER-SPONGE PRODUCTS LTD.

'Phone: Woking 966 SORBO WORKS, WOKING, SURREY *'Grams: "Sorbo, Woking."*

London Office and Showrooms: 50, PALL MALL, LONDON, S.W.1. 'Phone: Regent 4620.

surprising profits

ON THREE SOUPLEX MADE BLADES



DOUBLE SIX The PENNY Blade which created such a sensation at the British Industries Fair. See that you get your supplies in now. There is no greater value on the market. Sells in packets of 12 for a 1/-. Profit to you on buying price - - **50%**

MORKAM An excellent 2d. Blade, perfectly ground and finished. Can be recommended with absolute confidence to your customers. Profit to you on buying price - **60%**

SOUPLEX Known everywhere for its good shaving qualities. Advertised in all the leading papers. In packets of 5 for 1/3 and 10 for 2/6. Profit to you on buying price **80%**

All made by Souplex Ltd., Morecambe.

ORDER THROUGH YOUR WHOLESALER.

AMO

THE INCOMPARABLE BLADE THAT SHEWS 120% PROFIT

DISPLAY AND SELL "AMO" SHAVING PRODUCTS

Nationally Advertised. OBTAINABLE OF ALL WHOLESALERS.

FREE SAMPLE BLADE AND ILLUSTRATED LIST ON APPLICATION TO—

AMO SAFETY RAZOR BLADE Co., Ltd. Broad St. House LONDON, E.C.2

OVER 53%!! This Profit on your outlay is guaranteed to you by **The FLEET Blade**

A Sheffield Product from the Molten Steel to the Finished Blade.

Retails at 3 for 7½d.

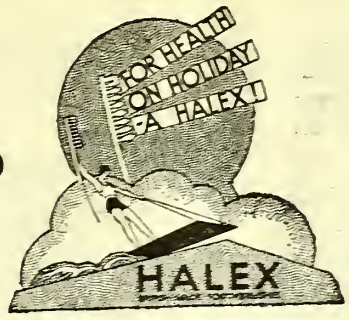
Liberal trade-making samples given to new stockists.

Bonus offered for Window Displays.

Sample and terms from sole makers:—

DOMINION STEEL CORPORATION, Ltd.

Fleet Works, Queen's Road, SHEFFIELD.



KEEP THE HALEX CUT-OUT IN YOUR WINDOW

44% more profit on all Halex Sales you make now

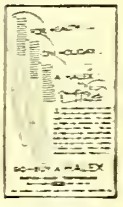
The Halex Advertising drive has only just begun—the full effect of it is still to come. *Keep* the Halex Cut-out in your window. Let the Public see that *you* sell Halex.

During the whole of June and July, Halex advertisements are appearing at the rate of 4 million a week in the national magazines and newspapers.

Active co-operation with this advertising *now* will help you sell more Halex at a time when you make 44% more profit on every Halex Brush you sell.

If you want more free Display Material—an extra show-card or window-sticker—or some more Halex Brushes

SEND IN THE ORDER FORM TO-DAY



DISPLAY HALEX—

AND LINK UP WITH THESE BIG NEW ADVERTISEMENTS

(Fill in and post to your usual Wholesaler)

To _____

Please send me/us

(a) _____ dozen Halex Toothbrushes as listed below:

Halex No. 1.....doz. @ 6/- a doz. Halex No. 3.....doz. @ 9/- a doz. Halex No. 5.....doz. @ 13/- a doz.

Halex No. 2.....doz. @ 7/6 a doz. Halex No. 4.....doz. @ 11/- a doz. Halex No. 6.....doz. @ 15/- a doz.

(b) The Halex Showcase (free with orders for not less than 4 dozen).

(c) The Halex Showcards and Window Transparency (free to any stockist).

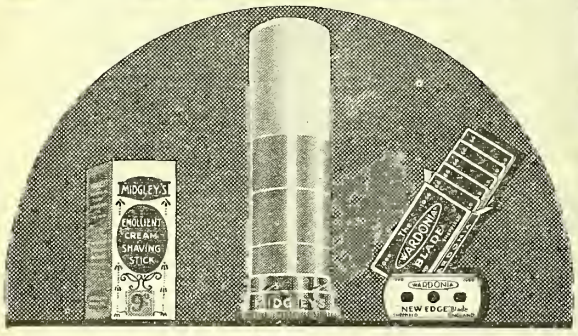
(d) The Halex Display Holder (free to any stockist). (e) The Halex Introductory Parcel at 40/- only.

(Strike out words not required.)

Name _____

Address _____ HB6

FREE!



Genuine 9d. Midgley's Full-size Shaving Stick with each 1/3d. packet of Wardonia " New Edge " Blades purchased.

That's the offer thousands of retailers are making good profits on. Widely advertised in the National and Provincial Press. Generous supply of Window and Counter Display Matter FREE with every order. Delivery guaranteed of first order whatever quantity, *so order generously and at once* from your usual wholesaler or direct

Enormous Demand
Order at once
50% PROFIT FOR YOU

TRADE TERMS:—

1 to 4 Cartons (*per carton*) 21/-

5 Cartons (*per carton*) 20/-

10 Cartons (*per carton*) 19/-

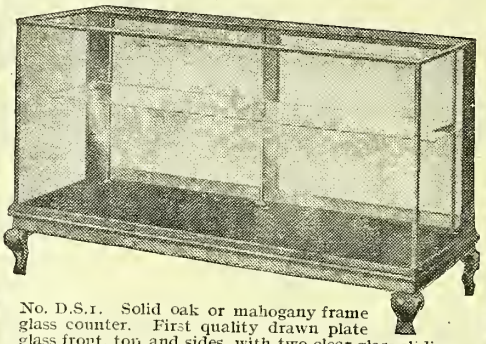
20 Cartons (*per carton*) 18/-

How Packed:
In attractive Display Carton CONTAINING—
24—PACKETS of 5 WARDONIA Blades & 24-9d. Midgley's Shaving Sticks.
RETAIL VALUE OF ABOVE CARTON **30/-**

FOR TWO MONTHS ONLY

Sole Makers:
THOMAS WARD & SONS LTD
Wardonia Works, Sheffield, England

KING'S FOR SHOWCASES



No. D.S.1. Solid oak or mahogany frame glass counter. First quality drawn plate glass front, top and sides, with two clear glass sliding doors at back. Interior fitted with standard bars and brackets and one row of plate glass shelves, polished all round.

Size over all: 6ft. long × 3ft. high × 2ft. back to front.

Ex works. **£11 10s.** Insured free in transit.

SEND AT ONCE for FULL LIST No. 1013 post free.

J. C. KING, LTD.
42-60 GOSWELL ROAD, LONDON, E.C.1.
'Phone: Clerkenwell 2317 (5 lines).

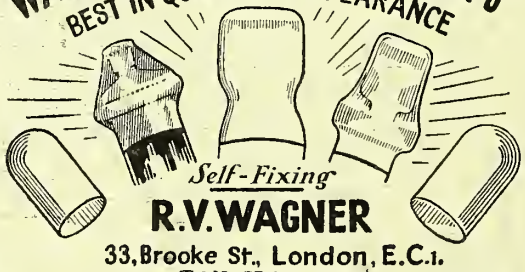
NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—
OSCAR SCRUTON & CO., YORK

WAGNER'S DRY BOTTLE CAPS
BEST IN QUALITY & APPEARANCE



Self-Fixing
R.V. WAGNER
33, Brooke St., London, E.C.1.
Tel. No: Holborn 5090

£10,000 worth of Poudre and Crème Tokalon FREE!

In connection with our big summer advertising campaign we will distribute to the trade, absolutely free, £10,000 worth of Poudre and Crème Tokalon

The Largest Advertising Campaign

On Face Powder and Cream ever seen in the British Isles

This Offer Definitely closes on July 11th, 1930

WILL COMMENCE JUNE 11th

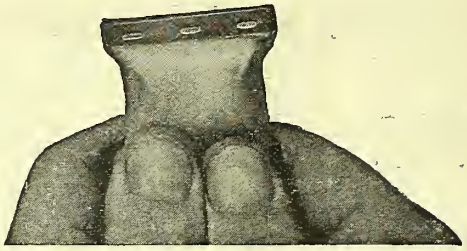
Full-page advertisements and regular insertions in all the leading daily, provincial and Sunday newspapers and women's magazines. Count your stock to-day and make sure you can supply the largely increased demand there is certain to be.

A generous allowance of free goods is sent with order for standard parcels, showing up to 75% profit.

There is one simple condition, viz.: that you put our new centrepiece (No. 101) in your window and make a display of Poudre and Crème Tokalon for at least fourteen days. Women will buy where they see the goods displayed.

Send NOW for full particulars

TOKALON LTD., 212-214 GREAT PORTLAND STREET, LONDON, W.1



COLLAPSIBLE TUBE CLIPS

Provide a sure and permanent seal and give an improved finished appearance to tubes. Made of incorrodible metal in sizes to fit tubes from ½-inch to 2 inches in diameter.

Write for Prices and for Catalogue of **COLTON FILLING, CLOSING AND CLIPPING MACHINES** *to the Sole Agents—*

GRIFFIN & TATLOCK, LTD.

KEMBLE STREET, KINGSWAY, LONDON, W.C.2

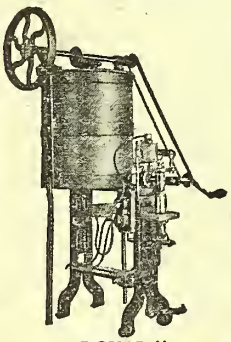
Roberts' Original Patent

BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From **£5 5s.** Hand-Operated Machines. From **36/-**

Soundly constructed, simple in action, easy to clean.

NEW PATENT SHALLOW TIN FILLING MACHINES



"ROYAL"

Automatic CAN FILLING MACHINES, MIXING MACHINES, CORKING MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

WRITE TO-DAY TO

ROBERTS' PATENT FILLING MACHINE CO.

33 Roundcroft Street, BOLTON, LANCS.

All rights reserved.

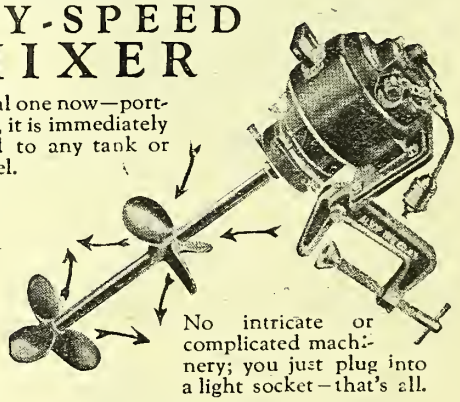
HOT WEATHER RUSH

Be prepared for the rush demand in hot weather.

Perfect syrups are made in the shortest possible time with the

HY-SPEED MIXER

Instal one now—portable, it is immediately fixed to any tank or vessel.



No intricate or complicated machinery; you just plug into a light socket—that's all.

Labour-saving and efficient.
Press the switch and it operates.

BUTLERS (LONDON) LTD

Butler House, 62 & 63 Minories, London, E.C.3.

'Grams and Cables: "Stralia, London." 'Phones: Royal 8005 & 8006

Some paramount reasons why *you* should sell—

SHERLEY'S

DOG & CAT MEDICINES

LACTOL & LACTOL BISCUITS!

Famous kennels rely upon Sherley's. Breeders and owners use Sherley's. Both the expert and the amateur are buyers of Sherley's.
Champions of all Breeds have been reared on Sherley's LACTOL & LACTOL BISCUITS.

All Sherley's products are protected at prices which ensure a satisfactory profit and are supplied on terms which eliminate all risk of loss.

SPECIAL QUANTITY TERMS
are available for the famous Sherley Tonic and Condition Powders and Worm Medicines—now packed on attractive display cards—also for £2 assorted parcels.

C.F H. 125

There are thousands of dog and cat owners in your district. Get their custom—sell and recommend Sherley's Products. Literature and showcards available. Send a post card for particulars.

A. F. SHERLEY & CO. LTD., 18, Marshalsea Road, London, S.E.1.

EVERY CUSTOMER DELIGHTED WITH THE RESULTS OF

Pat. No. 249,023. **INSEC-A-TUS** Trade Mark 462383.

100% BRITISH

THE COLOURLESS LIQUID INSECTICIDE

For Bugs, Fleas, Flies, Moths, etc. In tubes ready to spray with.

8½d. Size approx. **4½ ozs.** **1/3** Size approx. **9 ozs.**

Also in tins. Wholesale prices (giving good profit to retailer) on application

We guarantee that Insec-a-tus is 100% more efficient for the specific purposes stated above than powders that have been tried for years **and also** the coloured and otherwise liquid imitations on the market; if these were a more efficient article an improved patent could be obtained.

A LIGHTNING SELLER

ESS & ESS WORKS, Offices: 35 OAKLEY ST., LONDON S.E.1.
Phone: Waterloo 1128

BATTLE'S VERMIN KILLER

Of all Patent Medicine Houses at **3/-**, **5/-** and **9/-** per dozen.

In packets at **5d.**, **9d.** and **1/3** each.
(P.A.T.A.)

The *sure* destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice.
(Users' testimonials on request.)

Prepared only by
J. C. M. BATTLE, Ph.C., LINCOLN

EUREKA

FLY SPRAY

KILLS FLIES, MOSQUITOES, ETC.

Leaves no nasty smell
Does not stain

RETAIL 1/6 & 2/9

Write for generous trade terms and show-matter

TOMLINSON & HAYWARD, LTD.
Mfg. Chemists
LINCOLN

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
CHEMICALS FOR ALL INDUSTRIES.

'Phone: Central 4613. Tel. Add.: "Levermore, Phone, London."
A. LEVERMORE & CO. LTD. ABC Codes
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

FRED[K]. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.
TEL.: ROYAL 5094.
GUMS, ARABIC and TRAGACANTH as Imported or Finely Powdered. :: SHELLACS ALL GRADES.

CACHETS "FINOT"

(White or Coloured)
With inscriptions in any desired tint; also Plain or Embossed.
"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

DUTCH DROPS

The Original HAARLEM OIL
Also in Capsule Form.
We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain, and South America.
BROOK, PARKER & CO., LTD., BRADFORD.

ALL CHEMISTS SHOULD STOCK **ABDINE**

THE GOLD MEDAL HEALTH DRINK.
Quick Seller. Big Profits. Over 50 years' Reputation.
"Abdine" is the most popular Health Drink. Perfectly safe for all ages. Made from choicest fruits, it does not contain Epsom or Glauber Salts. Year after year the sales are steadily increasing.
DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

PHOSPHATE OF SODA, Pure

For Food Purposes
ASK FOR SAMPLE AND PRICES.

PERRY & HOPE, LTD.
Forth and Clyde Chemical Works, NITSHILL.
Telephone: Giffnock 414 (2 lines). Telegrams. "Perryope, Nitshill."

The Body **NUMOL** *Building Food*

A PROFITABLE LINE TO SELL. AN EASY LINE TO HANDLE. A GOOD LINE TO WIN NEW CUSTOM

Prices and advertising material from—
NUMOL, LTD., Newcastle-on-Tyne

DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.
PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

LIQUORICE JUICE

BLOCKS AND STICKS
Finest Quality, Low Price, Enquiries Invited
LIQUORICE ROOT Natural State, Bundled, Shelled, Rods or Cut Pieces
Dott. SIMONE TOSCANO, Catania, Sicily

"REGULOL" The Perfectly Stable Emulsion of

Liquid Paraffin with Agar-Agar, and well recommended by the Medical Profession as a Remedy for CONSTIPATION. Two varieties, plain and compound: the latter containing 4 grains of Phenolphthalein per ounce.
500 Handbills with 1 doz. COSTS 1/4. SELLS 2/6
CUXSON, GERRARD & CO., Ltd., Oldbury, Birmingham

KUTE

RUPTURE APPLIANCE
PATENT NO. 246,658.
NO OTHER SO SIMPLE AND EFFECTIVE.
Wm. ALFRED JONES, Ltd. West India House, Maryland Street, LIVERPOOL.

SHADEINE

FOR TINTING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-
The SHADEINE CO., 58 Westbourne Grove, London, W.2

TELL YOUR CUSTOMERS ABOUT YOUR BUSINESS WITH

"P.B.C." ADVERTISING TOY BALLOONS

The most effective, compelling & economical way of persuading the public to buy your goods.
Samples and Prices from:
P. B. COW & Co., Ltd., 46-47 Cheapside, London, E.C.2.

SALESMEN—SALESWOMEN—DEMONSTRATORS

RETAIL SALESMANSHIP

By CUNLIFFE L. BOLLING
Forceful selling methods, expert advice, details that enable the retail salesman to become marked by employers and customers as thoroughly efficient, are dealt with in this masterly modern book. 7/6 net.
Order now; from a bookseller, or
PITMAN'S, Parker Street, Kingsway, W.C.2

YOUR Customers with Artificial Dentures Will Readily BUY IT.
THOS. CHRISTY & CO., 4/12 Old Swan Lane, London, E.C.4

SUMMER SALES
POTTER'S VITALIZING FRUIT SALINE
Clarke's LIVER SALTS
HEALTH Salt
PURIFYING
INVIGORATING
PRICES
Potter's Vitalising
FRUIT SALINE
8 oz. bottles (retail 1/9) 13/- dozen
4 oz. bottles (retail 1/3) 8/6 dozen
Attractive show matter with all orders.
All the Year Round
HEALTH SALT
4 oz. tins ... ... 4/9 dozen
Gross lots ... ... 4/3 dozen
1/- Bottles (4 oz.) ... 7/6 dozen
1/6 Bottles (8 oz.) ... 12/- dozen
Clarke's
LIVER SALTS
4 oz. tins ... ... 5/- dozen
3 Dozen lots ... ... 4/9 dozen
1 Gross lots ... ... 4/6 dozen
Handsome Showcard with all orders
POTTER & CLARKE LIMITED
Drug Merchants---Manufacturing Chemists
60, 62, 64, ARTILLERY LANE, LONDON, E.1.
'Phone:-Bishopsgate 4761-5 lines. 'Grams:-Horehound, 'phone London. (2 words)
and 24, LUNA STREET, GREAT ANCOATS STREET, MANCHESTER.
'Phone:-Manchester City-6048. Grams.-Horehound, Manchester

The 'Aspro' Review

17% Extra Profits. "British to the Core" *New Series. Display Features.*

Send COUPON below for this New 'ASPRO' Window Display

Printed in ten colours

By featuring 'ASPRO' Displays in your window you link up your store to the largest Medicine Publicity Campaign in the World

Following the success of our recent Man-Nurse and Child Display for Chemists and the many letters of appreciation received we have pleasure in announcing a new 3-piece series now ready for distribution. These productions combine suggestion and reasons why customers should enter your store to purchase 'ASPRO.' The sooner you co-operate by featuring 'ASPRO' Displays—the greater is your opportunity of benefiting by the consumer demand created by our huge advertising campaign. Be first in the field by showing this new 3-Piece Display. Simply fill in name and address and post to Gollin & Co. Pty., Ltd., "Aspro" Dept., Slough, Bucks. The displays will be despatched to you promptly.

17% Extra through buying 'ASPRO' on Bonus Terms.

The 'ASPRO' bonus on unstamped 'ASPRO' is as follows:— On a one gross order for 10's the bonus is one dozen packets; on half-gross order, ½ dozen packets. Half-gross 10's is the minimum order accepted for Bonus purposes. On a 1 gross order for 27's the bonus is 2 dozen packets, on a half-gross order 1 dozen packets, and on a quarter-gross order ½ dozen packets. A quarter-gross order is the minimum quantity. There is no bonus on 5's or 60's.

The conditions are that the Chemist who buys on these terms undertakes to display 'ASPRO' Advertising matter in his shop window for 14 days, and sell at advertised prices. As 'ASPRO' is so extensively advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO,' but should enable the chemist's staff to make other sales to these customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 27's will qualify the Chemist.

You order as follows:—We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler, so that we may forward the order on and the Bonus will be supplied direct by us.

Ordinary prices for unstamped 'ASPRO' are as follows:—

3d. size (containing 5 tablets) 2/3 doz.
6d. „ (containing 10 tablets) 4/6 „
1/3 „ (containing 27 tablets) 11/6 „
2/6 „ (containing 60 tablets) 21/- „

Less 2½% 30 days.

NOTE.—The 1/3 size contains two extra tablets. 2/6 size ten extra tablets.

'ASPRO' REG. TRADE MARK

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by ASPRO LIMITED, SLOUGH, England.

Agents:

GOLLIN & CO. PTY. LTD.
('Aspro' Dept.),
SLOUGH, BUCKS.
'Phone: Slough 608.

No proprietary right is claimed in the method of manufacture or the formula.

COUPON for New 3-Piece 'ASPRO' Display.

GOLLIN & CO. PTY. LTD. ('Aspro' Dept.), SLOUGH, BUCKS.

Please send me above displays.

Name.....

Address.....

C.&D.

Gnat Bites....

What will you recommend?

For your customers' satisfaction and your own, advise 'SKETOFAX,' the product of undisputed superiority.

TRADE MARK **'SKETOFAX'** BRAND

AROMATIC CREAM

gives protection to the prudent and is a soothing application to those who have been bitten.

Collapsible tubes, at **12/6** *per dozen (subject)*

BURROUGHS WELLCOME & CO., LONDON

G 1453

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UCAL MORNING SALT

This is the line to earn you Big Profits—create Goodwill

LARGE SALES CONTINUAL REPEATS

PLENTIFUL SUPPLY SHOW MATERIAL.

NOTE OUR TERMS:

4½d. Size	7½d. Size
COSTS - 3/- doz.	COSTS - 4/6 doz.
6 doz. - 2/9 ,,	6 doz. - 4/- ,,
Gross - 30/-	Gross - 45/-

United Chemists' Association, Ltd.

CHELTENHAM and KEITH GROVE, LONDON, W.12

Telephone 3021. *Telephone: "RIVERSIDE"* 4641

CHEMISTS TENDERING FOR OR SUPPLYING

DISINFECTANTS

TO

HOSPITALS, PUBLIC INSTITUTIONS, Etc., Etc.

SHOULD REMEMBER

BURT, BOULTON & HAYWOOD, LIMITED

are one of the largest Wholesale Manufacturers and offer Special Terms for Contracts.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids. Carbolic Disinfecting Fluids Rideal Walker Co-efficients 2 to 20

White Disinfecting Fluids—miscible in salt, fresh or brackish water Co-efficients 10/12, 18/20, 20/22.
Lysol 50 % Cresols guaranteed. Pine Disinfecting Fluids.
Pink Carbolic Disinfecting Powders containing 5 % to 20 % Tar Acids.
Creosote Disinfecting Powders containing 5 % to 20 % Tar Acids.
Liquid Carbolic and Cresylic Acid Dark 95/97 % and Pale 97/99 %.
Sulphur Candles. Formaldehyde (Formalin) 40 % Solution.
Formaldehyde (Formalin) Tablets. Liquid Soaps.
SOLUBLE Carbolic or Pine Blocks for road watering vans.
Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

Samples and prices on application to

BURT, BOULTON & HAYWOOD, LIMITED

Salisbury House, London Wall, London, E.C.2.

THE CHEMIST AND DRUGGIST

EST. 1859

A WEEKLY JOURNAL OF PHARMACY, THE DRUG, CHEMICAL & ALLIED TRADES.

Telegrams: "Chemicus, Estrand, London."
Telephone: Central 6565 (8 lines).

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions.

Published at 28 ESSEX STREET, STRAND, LONDON, W.C.2.

Branch Offices: 4 Cannon Street, Manchester. (Tel.: City 0052.) 54 Foster's Buildings, High Street, Sheffield. (Tel.: 22458.) 19 Waterloo Street, Glasgow. (Tel.: Central 2329.) 99 Queen Street, Melbourne, Australia.

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English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Chemical Standardisation

The first organised attempt to set up a British chemical standardising body was initiated at a conference which was held on June 4 at the offices of the Association of British Chemical Manufacturers, London, W. The conference, over which Dr. E. F. Armstrong (vice-chairman of the Association) presided, was attended by representatives of over fifty organisations and industries connected with chemistry, while a further twenty-five organisations, though unable to be represented, expressed their sympathy with the objects of the meeting. The chairman, in a short introductory speech, indicated that the present movement originated with the Standardisation of Tar Products Tests Committee, which, at the end of 1929, issued the results of three years' work. At an early stage in the conference it was clear that there was unanimity of opinion regarding the need for a chemical standardising body; attention was then directed to determining the type of organisation most likely to fulfil the desired objects. Members of the British Engineering Standards Association described the latest organisation of that association. After various representatives had expressed their views on the general principles involved, the conference unanimously passed a resolution in favour of the establishment of a British chemical standardising body. The constitution of a small committee of the chemical interests to prepare a detailed scheme was left in the hands of the chairman.

Inquests

An inquiry was held on May 27 concerning the death of Mr. Robert B. Beeby, chemist and druggist, for sixteen years manager of the business of Mrs. Bancroft, Kineton. It was found that death was due to potassium cyanide, self-administered.

At a Bolton inquest, on June 5, the coroner said it was his duty to hold the inquiry because the death certificate had been issued by two herbal practitioners. The deceased was Mary Ellen Kirk, wife of a hardware dealer; she was attended by a herbalist who, it was claimed, had cured her of a previous complaint without operation, and she had refused to have a doctor. A post-mortem examination showed death to be due to inflammation of the liver and kidneys. Reading a "death certificate" issued by a herbalist from Wigan and another from Leigh, which gave the cause of death as "cardiac exhaustion and inanition," the coroner said, "Anyone could issue a certificate like that." A representative of the "People's League of Medical Freedom" asked if herbalists were present or represented at the *post mortem*. The Coroner: That is a matter for me to decide. The Representative: But they are qualified to give a death certificate. The Coroner: They are not. I have intimated to medical herbalists before that I shall hold an inquest every time in a case like this. A verdict of "Death from natural causes" was given.

An inquest was held by the Birmingham Coroner, recently, on the body of Mr. Thomas W. Dolman, butcher, Burton-on-Trent, who died in the Birmingham and Midland Skin Hospital. Mr. Hugh Donovan, consulting surgeon to the hospital, said that he ordered a local anæsthetic prior to operation on Mr. Dolman. He intended to use a weak solution of novacain and adrenalin; but after the administration of the anæsthetic the patient became unconscious, and on looking at the bottle, witness found that he had been using a 10-per-cent. solution of cocaine. Subsequently a nurse told him that she had made a mistake in preparing the anæsthetic. The witness estimated that he had injected between 15 and 16 gr. of cocaine. The Coroner: Don't you think that seeing you are going to use a dangerous drug, it is a good thing to check the one you intend to use and that you should check it before using?—In ideal conditions a surgeon should be free from checking what is going on around him. If he has any

uncertainty about the competence of subordinates he would have a lot to check. I am certain I should never again use anything without checking it. After evidence had been given by Sister Amy Poole and Dr. Cranston Walker, the coroner, summing up, said that the jury had to inquire if there was any negligence on the part of the sister and the operating surgeon. The sister appeared to be a well-trained woman but she was given no inventory. The novocaine of 1 per cent. and 2 per cent. solutions and the 10-per-cent. cocaine were in fluted poison bottles, the only distinguishing mark being the label. The surgeon had suggested it would be rather too much to expect him to assure himself in all circumstances that his subordinates had carried out all his requirements by checking them. Unfortunately deaths occurring in this way took place up and down the country. They occurred through mistakes on the part of some person. He thought it was highly dangerous to have cocaine side by side in almost similar bottles and in the same cupboard in which novocaine was kept. He also thought the surgeon should prepare dangerous drugs himself, or satisfy himself that the drugs he proposed to use had been properly prepared. The jury returned a verdict of "Homicide by misadventure," and added the following riders:—(1) The surgeon should every time prescribe what is to be used as a local anæsthetic; (2) that more care should be taken by the sister in charge who prepares it; and (3) that solutions of such strength as 10-per-cent. cocaine should not be kept in the theatre.

Birmingham

The funds of the Birmingham New Hospitals Centre have been considerably augmented recently by subscriptions from prominent members of the drug trade.

Professor W. E. Dixon, of Cambridge, is delivering a series of seven lectures on "Specific Therapy" in Birmingham University. The series is being given under the William Withering memorial lectureship.

Liverpool

Brisk photographic business characterised an otherwise slack holiday week-end.

Mr. Alexander Lawrence, chemist and druggist, Great Charlotte Street, is now out of hospital and is progressing as well as can be expected.

An inquiry under the Shops Acts will be held in Wallasey Town Hall on June 27, when objections to the extension of the closing order to Moreton will be heard.

Between twenty and thirty members of the Mansfield and District Chemists' Association motored to Liverpool on June 4, for which date a permit had been obtained by Evans Sons Lescher & Webb, Ltd., enabling the visitors to inspect a liner. The afternoon was spent in Messrs. Evans's laboratories, mills and lime juice department, after which tea was provided by the directors, and the party returned after a delightful day.

Manchester

It is estimated that over £50,000 worth of trade will accrue to Manchester and Salford shopkeepers as a result of the Whitsuntide processions, which are such a feature in Lancashire.

Early on Whit Monday it was discovered that a plate-glass window in the shop of Mr. T. H. Livesley, Ph.C., Station Road, Hayfield, had been smashed. Two valuable cameras were missing, and a stone was left in the window.

The current issue of the Manchester University "Scrpent" states that the title of Mr. Harry Brindle, B.Sc., Lecturer in Pharmaceutics, has been changed to "Lecturer in Pharmaceutical Chemistry," and that the Council has accepted the offer of Mr. James Grier and Mr. Harry Brindle to institute two silver medals in pharmaceutics. The medals will be offered annually for competition to the students of the Chemist and Druggist course and of the Pharmaceutical Chemist and B.Sc. (Pharmaceutics) courses.

Sheffield

Mr. and Mrs. L. Piper are on a tour through France, Switzerland and Italy.

There was quite a rush on photographic film machines during the Whitsuntide holidays.

Mr. H. Antcliffe, member of the Council of the Pharmaceutical Society, has been elected to the Court of Governors for Sheffield University.

The City Council does not regard the position of dispenser as that of an officer entitled to come under the 1922 Superannuation Act. The transferred poor-law dispensers will retain their pension rights under the Poor Law Officers' Superannuation Act, 1896.

Miscellaneous

BURGLARY.—The premises of Mr. F. B. Emery, chemist and druggist, Bolton, were recently entered by burglars, who stole a sum of money.

CLOSING ORDER.—Rugby Urban Council has issued an order for chemists to close, except for the sale of medicines and medical and surgical appliances, at 7.30 p.m. on the first four week-days and 8 p.m. on the other two.

POISON-LICENCE APPLICATIONS. — Applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, have been made to the respective local authorities by the following:—Burgess Brothers, St. Helens; W. E. & F. Boorer, Lingfield.

WINE LICENCE CONFIRMED.—At Merthyr Tydfil, on June 2, the granting of a wine off-licence to Mr. T. D. Rees, chemist and druggist, Aberfan, was confirmed. It was stated that the population of Aberfan and Merthyr Vale was 10,000, and that in these districts there was no licence for the sale of such wines.

IN THE COURTS.—At Bow Street Police Court, London, on June 5, James McCabe, described as an ex-constable of the Egyptian Police, was sentenced to two months' imprisonment on a charge of offering to procure twenty-seven "tubes" of cocaine, 11½ oz. of opium, 11½ oz. of morphine, forty-five "tubes" of morphine, and fifteen "tubes" of opium, contrary to the Dangerous Drugs Acts.—In Bloomsbury County Court, London, recently, the Pharmaceutical Society obtained judgment in the sum of £5 in each case against two unqualified persons, H. Parsons, Vassall Road, S.W., and D. T. Stevenson, Farmer Street, W., for having sold lysol.

Scottish News

Brevities

At a recent weekly luncheon of the Kirkcaldy Rotary Club, Rotarian Stewart, chemist and druggist, High Street, gave a talk on advances in medicine, particularly with regard to vaccine treatment.

At Edinburgh Sheriff Court, recently, Mr. Peter Boa, Ph.C., was fined £5 for failing to pay Health Insurance and Unemployment Insurance contributions in respect of two employees. It was stated that Mr. Boa was short-handed at the time and that the contributions had since been paid.

Major George Hicks, chemist and druggist, who has been appointed the first chairman of the new Buteshire Education Committee, formerly carried on business in Rothesay. Major Hicks has been long associated with Rothesay Town Council as well as with the Isle of Bute Education Authority.

Complaints against the opening of new photographic accounts are not confined to England. "In Scotland," writes a correspondent, "it is no uncommon thing to see herbalists' shops featuring the best films by recognised makers. The coupon camera stunt has also well-nigh swamped the box camera trade, yet travellers continue to ask for more."

Irish News

Pharmaceutical Society of Ireland

The latest dates for making application for July examinations are as follows:—Preliminary examination, Thursday, June 19, 1930; Registered Druggist examination, Tuesday, June 24, 1930; Pharmaceutical Licence examination, Wednesday, June 25, 1930; Pharmaceutical Assistant examination, Saturday, June 28, 1930.

National Health Insurance Bill (Northern Ireland)

The Bill to establish medical benefits in Northern Ireland reached its final stage on June 6, and will receive the Royal Assent on June 17. The measure was before the Senate on four days of the week ending June 7, and was sent back to the Commons with one or two small amendments, which were accepted by the Government. No reference to the position of chemists was made during the Senate debate, a feature of which was the unexpected onslaught on the measure from rural senators. The Bill, however, secured a majority of five for the second reading, and it will come into operation on October 1. The Minister of Labour said that in town and country alike there had been some measure of feeling against a medical benefit scheme, but after conferences had taken place with interested parties feeling against the measure had entirely disappeared. In practice he thought it would not be practicable to give an insured person the option of going into the scheme or staying out of it. Not one single employers' association in Northern Ireland, to their credit, had made a protest against the Bill. Employers would reap the benefit of the better health of their workers. The burden was not worth considering.

Drug and Medicine Imports

FROM the official returns lately issued by the Irish Free State Ministry of Industry and Commerce we have compiled the appended table showing the value of the drugs, perfumery, medicines, druggists' wares, etc., imported into the Free State during last year, compared with 1928:—

	1928		1929	
	Quantity	Value (£)	Quantity	Value (£)
Boric acid .. cwt.	519	1,043	478	764
Acids, other .. ,,	9,348	12,139	9,858	11,937
Cream of tartar .. ,,	4,980	23,105	5,644	26,703
Ammonium compounds ,,	2,012	3,591	4,495	6,110
Perfumery containing spirit .. .. lb.	46,349	16,226	37,750	13,219
Other perfumery .. ,,	716,644	89,740	748,197	89,848
Medicines and preparations, dutiable	—	104,116	—	101,457
Medicines and preparations, non-dutiable	—	235,182	—	245,049
Druggists' Wares ..	—	38,271	—	37,582
Linseed oil (unrefined) cwt.	9,466	17,206	10,820	20,248
Linseed oil (refined) ,,	14,046	26,103	15,301	29,134
Castor oil .. .. ,,	3,062	14,468	3,623	15,229
Disinfectants, insecticides, etc. .. .. cwt.	15,760	58,332	14,864	60,679
		£639,522		£657,959

It will be seen that despite a decrease in five of the items there was an increase of £18,437, or nearly 3 per cent.

Brevities

Mr. Huston Lancashire, Ph.C., Ballymena, has disposed of his mineral-water factory to J. McAllister & Son, Ballymena and Dublin.

At Dromore (co. Tyrone) Petty Sessions, recently, Richard Lindrum was fined 10s., with costs, for having sold crushed linseed which was deficient in oil and excessive in ash content.

An inquest was concluded at Castlederg, co. Tyrone, on June 3, in the case of William Sproule, farmer. Mr. J. H. Totton, B.Sc., public analyst, Belfast, gave evidence of receiving from the police two sealed glass jars containing human organs. In the stomach and contents and intestines he found 0.4 gr. of strychnine, while strychnine was diffused throughout the other organs examined. In his opinion there must have been at least 2 gr. of strychnine distributed throughout the body. Dr. A. Leitch, Castlederg, gave evidence that in conjunction with Dr. G. F. V. Leary he made a *post-mortem* examination of the deceased's body. In his opinion the cause of death was asphyxia as a result of strychnine poisoning. Dr. Leary corroborated. The jury returned a verdict that death was due to asphyxia arising from poisoning by strychnine.

Belfast

Mr. Alex. Dundee, Ph.C., York Road, Belfast, headed the poll in the recent Dock ward election for Belfast Board of Guardians.

The Children's Act Committee of Belfast Corporation has accepted the tender of C. & J. Montgomery, Royal Avenue, for the supply of medicines to the Balmoral Boys' Schools.

Belfast Education Committee has accepted the tender of W. Hazel & Sons, Clyde Street, Belfast, for laboratory alterations and equipment in the chemistry department, Municipal College of Technology.

Dr. S. E. A. Acheson, member of the Council of the Pharmaceutical Society of Northern Ireland, made a vigorous speech at the General Assembly of the Presbyterian Church in Ireland on June 6, against a resolution urging the Northern Government to co-operate with the Belfast Corporation in the establishment of increased provision for the better feeding of infants and of expectant mothers in the case of necessity. If there were wrongs to be righted, he said, he did not think that was the right way to do it.

Business Changes

CHEVASSE, LTD., have opened a new pharmacy at Garston Old Road, Liverpool.

MR. LIDDLE, chemist and druggist, has opened a pharmacy at 33 King Street, Bridlington.

JAMES H. WATSON (CHEMISTS), LTD., have acquired the business of Black & Richards, Ltd., 9 Church Road, Hendon, N.W.4.

TAYLORS (CASH CHEMISTS) TRUST, LTD., have acquired the pharmacy of Mr. A. B. Withers, chemist and druggist, 3 Old Market Place, Sudbury.

MR. G. E. THURLEY, who was connected with Reddgrave Butler & Co., for over twenty-five years, has, owing to the recent amalgamation, commenced business on his own account as G. E. Thurley & Son, at Unity Works, Latimer Road, Forest Gate, E.7, for the supply of medicinal liquid paraffin and olive oils.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, June 18

Birmingham Pharmaceutical Association, Old Rose and Crown Café, Rendal. Sports day and tea. Games will commence at 2.30 p.m., and will be continued after tea. Tickets for tea 2s. 6d. each, from members of the social committee.

MAW CHALLENGE SHIELD.—The competitions for the Maw Challenge Shield will be held at Maw's Sports Ground, Hadley Wood, on Thursday, June 26, commencing at 2.45 p.m.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office.

BRIDGEN & GRIFFIN, LTD. (P.C.).—Capital £3,000. Objects: To carry on the business of British and foreign glassware merchants, and chemists and merchants of toilet sundries and Indian crude drugs and produce formerly carried on by J. E. Bridgen and S. W. Griffin at 22 & 25 Bartlett's Buildings, and 51 and 55 Leather Lane, E.C. The permanent directors are: J. E. Bridgen, Cliftonville Hotel, Dorset Square, N.W.1, merchant, and S. W. Griffin, 19 Burnell Road, Sutton, merchant. Solicitors: Chamberlayne, Keene & Co., Donington House, Norfolk Street, W.C.2.

SHERWOOD TAYLOR PRODUCTS, LTD.—Particulars of Sherwood Taylor Products, Ltd:, were filed on February 24, pursuant to Section 344 of the Companies Act, 1929. The capital is £25,000 in £1 shares. The company was incorporated in Guernsey on November 23, 1929, to carry on the business of analytical, research and industrial chemists, druggists, drysalters, etc., and to adopt agreements with E. W. Hanstock, F. S. Taylor and E. Myron. The British address is at 175 Piccadilly, W.1. E. W. Hanstock, of 9 Lancaster Gate, W., is authorised to accept service of process and notice on behalf of the company. The directors are: E. W. Hanstock (chairman), F. S. Taylor and E. C. Knight.

CANTRELL & COCHRANE, LTD.—Particulars were filed on May 31, pursuant to Section 344 of the Companies Act, 1929. Capital £200,000 in £1 shares. The company is incorporated in the Irish Free State. It was registered on December 30, 1898, to acquire the business carried on at Dublin, Belfast, and elsewhere, as Cantrell & Cochrane, and to carry on the business of manufacturers of aerated, mineral, artificial, natural or other waters or beverages, ale, beer, porter and cider, wine and spirit merchants, etc. There are British addresses in London, Liverpool, Stockport, Leeds, Preston, Glasgow and Sheffield. T. E. Schofield, of Gifford Lodge, The Green, Twickenham, is authorised to accept service of process and notices on behalf of the company. The directors are: A. R. S. Nutting, Sir Ernest C. Cochrane, Bt., Sir Stanley H. Cochrane, Bt., Sir William L. A. Goulding, Bt., J. S. Jones, E. A. Rice, T. E. Schofield and T. C. Fogel.

G. B. KENT & SONS, LTD., have declared the usual dividend at the rate of 5½ per cent. per annum upon the cumulative participating preference shares for the six months ended March 31, 1930.

SURREY DRUG CO., LTD.—At a meeting held in London on May 14 it was resolved that this company be wound up voluntarily. Mr. F. J. Duck, 63 Coleman Street, E.C.2, and Mr. P. S. Booth, Kimberley House, Holborn Viaduct, E.C.1, were appointed liquidators.

COMPANIES DISSOLVED.—Notice has been given in "The London Gazette" that the names of the undermentioned companies have been struck off the register and the companies dissolved:—British Dominion Chemical and Drug Co., Ltd.; Oxford Scientific Instrument Co., Ltd.; Springfield Pharmacy, Ltd.

A. J. WHITE, LTD.—The report for the year ended March 31, 1930, shows a net profit of £41,811 1s. 7d. After bringing forward £72,719 11s. 4d. from last year's accounts and adding the profit as shown on the profit and loss account (£41,811 1s. 7d.), and deducting the interim dividend of £150,000 paid January, 1930, there remains a balance of £99,530 12s. 11d., out of which the directors recommend a final dividend of 7½ per cent. (making 12½ per cent. for the year), leaving a balance of £77,030 12s. 11d. to be carried forward to next year's accounts.

BRUNNER MOND & CO., LTD.—Mr. Justice Clauson, in the Chancery Division, on June 6, heard a petition by the Imperial Chemical Industries, Ltd., for leave to compulsorily acquire the holdings in Brunner Mond & Co. of the small minority of shareholders who refused the terms offered them on the £95,000,000 amalgamation. The cash offer made to the dissentient members of Brunner Mond & Co. was 30s. for the preference shares and 43s. 6d. for the ordinary. Mr. Justice Clauson fixed the price to be paid for the ordinary shares at 55s. 6d. and for the preference shares at 31s. 6d.

BOOTS CASH CHEMISTS (EASTERN).—The net profit to March 31 was £49,324. Dividends on the cumulative and non-cumulative preference shares have been paid, absorbing £23,000; the ordinary dividend takes £15,000, leaving undivided profit for the year of £11,324. At March 31 the balance standing to the credit of profit and loss account was £24,955, which added to balance of undivided profit makes £36,279. From this it is proposed to transfer to reserve fund £10,000, and to carry forward £26,279. On "A" cumulative shares the dividend was 5 per cent., on "B" shares 6 per cent., and on non-cumulative shares 15 per cent.

BRITISH PHOTOGRAPHIC INDUSTRIES, LTD. (controlling Ensign, Ltd., the Houghton-Butcher Manufacturing Co., Ltd., and other photographic manufacturing and distributing companies).—The annual meeting was held at the Holborn Restaurant on June 5, Mr. Edgar W. Houghton, chairman of the company, presiding. In moving the adoption of the report (*C. & D.*, June 7, p. 688), the chairman, after commenting on the various items of the balance sheet, said that as regards last year's business and the outlook for the current year, they, in common with all other industries, are feeling the depression in trade, which seems to be almost universal throughout the world. During the first part of last year trading was good in all branches of their business, but they had already begun to feel the effects of declining trade before the year was out, and, but for this, should have shown better results even than those shown in the accounts. It is too early in the year, and business conditions are such, that they would not expect him to make any estimate as to the trading results of the current year, but he could assure them that their goods continue to hold their own with those of any other manufacturer. "Ensign" cameras and films (he said) are better displayed to-day in the shops than during any time in the company's history, and as regards "Ensign" cameras, it may be of interest to shareholders to know that not only are the cameras and shutters themselves produced entirely in their own works, as has been the case for years past, but that they are now manufacturing the major portion of their lenses, anastigmat as well as the cheaper type, in their factories at Walthamstow. Their cameras are recognised as the standard of excellence in regard to design, workmanship and finish, and they are proud of the fact that the whole of the equipment is the product of British brains and workmanship. The report and accounts were unanimously adopted.

Voluntary Liquidation

C. J. Wing, Ltd., late Streatham High Road, London, S.W., chemists and druggists. The statutory meeting of the creditors was held recently at the offices of Baxter, Bennett, Bowyer & Co., 57 Holborn Viaduct, London, E.C. No statement of affairs was circulated, but it was reported that the liabilities totalled £1,344 3s., that sum including claims by Mr. Wing and Miss Wing for £435 and £155 respectively. The assets consisted of cash in hand totalling £915 13s. 11d., representing the net proceeds of the sale of the business. In addition, there was a sum of £149 7s. 6d. recovered under an execution which was levied shortly prior to the statutory meeting of creditors being convened. It was reported that the company was formed some years ago, and had apparently traded at a loss. During the discussion, it was stated by a creditor that under the new Act it was incumbent upon the Sheriff to hold the proceeds of an execution for a period of 14 days, and it was therefore probable that the money in the

hands of that official would be handed over to the liquidators and be available for distribution amongst the creditors generally. A resolution was passed confirming the voluntary liquidation of the company with Mr. S. J. Bowyer and Mr. A. G. White as joint liquidators and an advisory committee was appointed consisting of Mr. Parkin S. Booth, and the representatives of Barclay & Sons, Ltd., and F. Newbery & Sons, Ltd.

Bankruptcy Reports

Re Louis Gabriel Charles Colomb, trading as Louis G. Colomb, Mercantile Chambers, Market Place, Kingston-upon-Hull, druggists' sundriesman. A deficiency of £901 18s. 11d. was disclosed in the statement of affairs produced by the above debtor when he appeared recently at the Guildhall, Alfred Gelder Street, Hull, for his public examination. The liabilities were £1,027 10s., against assets of £165 7s. 8d., from which had to be deducted preferential claims of £39 15s. 10d. The debtor ascribed his failure to lack of capital and bad trade. It would seem that he commenced trading in August, 1923, as a merchant importer. He borrowed money from his mother, and still owed her £400 odd. In 1924 he opened a shop but closed it after nine months, the business not being satisfactory. Then he took premises in the Market Place, where he had since traded as a wholesale chemist and hairdressers' sundriesman. The debtor was questioned regarding a statement he had made to the effect that he owned a house. This he denied, stating that he might have said he was putting up a house for sale by private treaty, but he did not say whose house it was. After further questions, the hearing was concluded. The following are creditors:—Boehm, G., £51; Colgate-Palmolive-Peet Co., £19; Colomb, Mrs. M., £416; Evan-Williams Co., Ltd., £13; Grossmith, J. & Son, Ltd., £11; Hirst, Brook & Hirst, Ltd., £86; bankers, £88; Yardley & Co., Ltd., £34.

Compulsory Liquidation

Re Saltrates, Ltd., 145 Mortlake Road, Ilford.—The report of Mr. G. Digby Pepys, senior official receiver and liquidator of this company, shows that the compulsory winding up order was made last December upon the petition of the Attorney-General, acting on behalf of the Commissioners of Inland Revenue, who claim as judgment creditors for £42,614 and costs in respect of super-tax. No statement of affairs has been submitted, as the only person who can be called upon to lodge a statement is Charles Harold Nicholson, the promoter of the company, who is at present in the U.S.A., and although he appears to have controlled the company's affairs throughout, has up to the present ignored the demands made upon him by the official receiver. The company was incorporated as a private company on February 5, 1917, with £100 capital, to carry on business as chemists and druggists. The business appears to have been practically confined to the manufacture and sale of "Reudel" bath salts and a saline aperient known as "Alkia," and a business of substantial proportions appears to have been carried on for a number of years. The official receiver has only been able to obtain accounts relating to a period of one year ending March 31, 1924. These accounts disclose that the sales amounted to £177,884 on which a gross profit of £155,718 was made. The net profit shown by the accounts was £33,522. During the year, sums amounting to over £79,000 were expended in advertising the company's products. A draft balance sheet and accounts for the year ending March 31, 1927, disclose that the company had made a gross profit on trading of £84,501, and a net profit of £1,606. The gross profit had been absorbed to the extent of £52,511 in advertising. In the absence of the company's books and accounts covering the whole period of its existence, it is not possible to comment at present upon the conduct of the company's business and the manner in which its funds have been dealt with. During the year 1926, action was taken by the Special Commissioners of Income Tax, with the object of assessing the shareholders of the company in respect of super tax, on the ground that the company had not distributed a reasonable proportion of its profits by way of dividend, and in March 1927, in pursuance of powers under the Finance Act of 1922, the Commissioners issued directions that the company's income for the years ending March 31, 1923/4/5, should be deemed to have been distributed amongst the shareholders. An appeal was lodged by the company and was heard on October 17, 1927, but was adjourned for the attendance of Nicholson, who was then in America. At the adjourned hearing, Nicholson was still absent, and the Commissioners then confirmed the assessments on him as the only shareholder of the company, apart from one of his nominees who held one share. The assessments were as follows:—

Year	Income assessed	Amount of Super Tax
	£	£ s. d.
1923/4 ..	59,557	16,961 1 6
1924/5 ..	41,115	11,482 5 0
1925/6 ..	50,819	14,170 14 0
	Total	42,614 0 6

Nicholson failed to meet this liability, and the Commissioners caused Notice of Charge to be served upon the company, thus rendering it liable in respect of the tax. Applications for payment were ignored by the company, and on February 8, 1929, judgment was signed against the company for the amount of the assessed tax, together with £5 15s. 2d. costs. At the time when the judgment referred to above was obtained, the company appears to have disposed of the whole of its assets. The official receiver has obtained a copy of an agreement dated October 23, 1927, entered into between the company and another company known as Saltrates, Incorporated, carrying on business in Delaware, U.S.A., which recites that for a consideration of £16,000 the company disposed of its book debts as at September 2, 1927, together with the machinery and plant at its factory situated at 22 Euston Buildings, N.W.1. In addition to the above agreement, the official receiver has obtained a draft of an agreement (undated) entered into between the same parties, which provides for the sale by the company of the goodwill of the business, together with all trade marks, for a consideration of £11,200, which the agreement recites has been paid to the company. Brown, who at one time was a director and also acted as secretary, has informed the official receiver that he has no knowledge of the circumstances in which these agreements were executed, and that he is unable to say whether the above moneys were ever paid over to the company. He has, however, informed the official receiver that when he severed his connection with the company, Nicholson requested him to allow his private residence to be used as the registered office of the company and to collect any book debts which might be sent there. He states that a number of book debts were received, which he paid into a separate bank account, pending instructions from Nicholson as to their disposal. No instructions were received by him, and at the date of the winding up order, the account was in credit to the extent of £130 4s. This amount has since been collected by the official receiver. A further sum of £70 12s. 3d. was standing to the credit of the company at another bank, and this has also been realised. Up to the present, the only claim against the company of which the official receiver has received any notification is that of the Inland Revenue. Brown has informed the official receiver that so far as he is aware, there are no other claims, as at the time when he left the company all the other creditors had been paid in full. It seems clear from the company's balance sheet as at March 31, 1927, that it possessed at that time very substantial assets, consisting principally of cash investments and book debts, and the official receiver is still endeavouring to ascertain what has become of these assets.

Belgian Chemists and the Friendly Societies

By R. Pattou

Monsieur R. Pattou, Echevin of the City of Brussels and a distinguished pharmacist, well known in British Pharmaceutical circles, has been good enough to favour us with the following notes on the differences which have arisen between Belgian chemists and the friendly societies.

BELGIAN chemists are, at present, involved in a dispute with the friendly societies over a matter of inadequate remuneration for dispensing. The population of the country is approximately 8,000,000, of whom 2,000,000 are members of such societies. These societies arrange their own pharmaceutical service, the prices paid to the chemist being based on an accepted tariff. Until recently this tariff has been agreed upon by a special Commission under official auspices. Some months ago, however, the pharmaceutical delegates to the Commission withdrew on the ground that the financial conditions offered by the friendly societies were unacceptable. Readers of THE CHEMIST AND DRUGGIST can easily understand the difficulty when they remember that the cost of living in Belgium is actually nine times greater than in pre-war days.

The delegates of the friendly societies on the Commission offered to the chemists a tariff equivalent to four times pre-war value. To understand clearly the inadequacy of this offer it is necessary to consider the price of 1,000 prescriptions, which, on this basis, will be about 3,000 francs, equivalent to about 4d. per prescription. The chemists have sent a batch of 1,000 prescriptions, which had been prepared in Belgium for the friendly societies, to Strasbourg for pricing in accordance with the tariff in force for health insurance in that district. The result shows that the Strasbourg tariff allows chemists 6,800 francs for 1,000 prescriptions, as against 3,000 francs for the same number obtainable in Belgium. This figure averages out at about 10d. per prescription. Great difference of opinion and bitter feeling has resulted from the dispute, and the Minister of Industry has offered to settle the matter if the two contestant parties will accept arbitration. The Minister stipulates that the court shall be composed of persons not interested in the political, friendly society or pharmaceutical worlds. The result is to be accepted without question by either party, and is to be legally binding. The Nationale Pharmaceutique—the organisation of Belgian chemists—has accepted these terms, as it considers that impartial judges, devoid of any political leanings, will settle the questions with equity and integrity. Meanwhile, it is unfortunate that in Belgium—where chemists are confined to dispensing—that pharmacy should be placed in such a humiliating position. The efforts of pharmaceutical bodies are being directed towards turning away from the universities these unfortunate aspirants who expect to find in pharmacy the road to a successful career.

Sporting Events

THE Rink Competition for the Cartwright trophy of the Glasgow Pharmacy Club was held on the green of the Wellcroft Bowling Club (lent for the occasion by the directors). The prizes (umbrellas), presented by W. B. Cartwright, Ltd., were won by the rink with Mr. H. P. Arthur as skip—17 shots to Mr. J. Murdoch's 11. Other scores were:—Mr. Culbert's rink, 15 against Mr. Moffat's 14, and Mr. D. G. Mackenzie's against Mr. J. T. Simpson's equal. Mr. D. Black presented the prizes and proposed a vote of thanks to W. B. Cartwright, Ltd., and to the directors of the green.

THE Leeds and District Chemists' Golf Club had the pleasure of meeting the York chemists at the Leeds Golf Club, Roundhay Park, on May 28, with the following results:—

Leeds		*York*	
Mr. W. P. Bowman	½	Mr. A. Humphreys	½
Mr. H. Bowman	1	Mr. G. A. Coverdale	0
Mr. T. Shooter	1	Mr. J. H. Lupton	0
Mr. J. R. Bentley	1	Mr. W. V. Hargrave	0
Mr. E. Crawford	1	Mr. O. Colbert	0
Dr. Thornton	1	Mr. W. Dewhurst	0
Mr. J. Higgins	1	Mr. B. Brooke	0
Mr. N. H. Burns	1	Mr. N. Coverdale	0
Mr. F. Kemp	0	Mr. A. Jones	1
Mr. J. T. Roberts	1	Mr. S. Allan	0
Mr. F. White	1	Mr. T. C. Atkinson	0
Mr. A. Houfton	1	Mr. J. A. Lupton	0

In the evening foursomes were played, which concluded an enjoyable meeting. The Leeds Golf Club are looking forward to a match with the Sheffield Association shortly.

THE first contest for the challenge cup presented to the Cardiff Chemists' Golf Club by Virol, Ltd., took place on May 21 at Radyr. The competition was open to all chemists, or proprietors of businesses managed by qualified men in South Wales and Monmouthshire, and assistants. The only lady competitor, Miss Maisie Murray, was the winner with the net score of 62. Mr. H. O. Anthony was runner-up and won the consolation prize of one dozen golf balls, presented by Mr. Shellabear. The cup was presented to the winner on behalf of Virol, Ltd., by Mr. Hagon, who commented on the pleasure it gave him, particularly as Miss Murray was a member of his staff and her very creditable performance for the first time of playing on the Radyr links. Mr. Shellabear expressed the pleasure it gave his firm to add to the now very respectable array of golf trophies the Cardiff chemists are able to offer each year to open competition. The following were the leading scores:—Miss Maisie Murray, 89—27, 62; H. O. Anthony, 82—7, 75; Jas. Murray, 90—14, 76; W. H. Carroll, 85—8, 77; Hyatt Jenkins, 95—18, 77; John Davies, 100—19, 81; A. S. Gordon, 93—10, 83; George Edwards, 108—25, 83; Allan Williams, 105—18, 87.

THE Scottish Chemists' Bowling Association visited Kirkcaldy on June 4, when their annual rink competition was played on the greens of the Victoria, the West End, and the Kirkcaldy Clubs. The party adjourned to the Station Hotel at the conclusion of play, and, following tea, the prizes were presented and the annual meeting held. After Mr. C. Brown (president) had thanked the directors of the greens and the Kirkcaldy chemists for their hospitality, the secretary (Mr. J. S. B. Heddle) intimated the results, which were as follows:—

On Kirkcaldy Green.—C. Dawson (Aberfeldy), 26; H. G. Gray (Glasgow), 15; J. H. Tainsh (Edinburgh), 15; J. H. Carmichael (Leslie), 27; G. F. Anderson (Edinburgh), 11; G. Jarvie (Kirkintilloch), 24.

On Victoria Green.—J. M. Dickson (Armadale), 16; C. D. Lee (Glasgow), 24; J. B. M'Laren (Kirkcaldy), 27; W. S. Culbert (Airdrie), 15.

On West End Green.—J. T. Simpson, 19; J. C. Murdoch (Glasgow), 20; A. W. Ritchie (Montrose), 15; J. R. Milne (Dundee), 26.

Mr. G. Jarvie won the Ayrton cup, and his rink, which included Messrs. G. F. Robertson (Kilbowie), G. McNaught (Cambuslang), and A. McLennon (Glasgow), had a majority of thirteen shots over the rink skipped by Mr. G. F. Anderson (Edinburgh), while Mr. J. Carmichael (Leslie) was the runner-up.

In handing over the cup and prizes, Mr. A. W. Calder (Glasgow) congratulated Mr. Jarvie on his achievement. In the course of the business of the annual meeting of the Association, Mr. Wm. Sievewright (Glasgow) was appointed *President* for the ensuing year. It was unanimously agreed to appoint two of the oldest members of the Association, Mr. Findlay Stuart (Broxburn) and Mr. Thomas Bain (Edinburgh) *Honorary Presidents*. Messrs. Charles Brown (Edinburgh), John H. Tainsh (Edinburgh) and John D. Simpson (Glasgow) were appointed as the *Committee*. It was agreed to hold the next competiton in Edinburgh.

Pharmaceutical Society
of Northern Ireland

Examination Results

THE June examinations of the Pharmaceutical Society of Northern Ireland were held in Belfast on June 3 and continued throughout the week. The following candidates, having passed in all the necessary subjects, are recommended for the Preliminary Scientific certificate and the certificate of Pharmaceutical Chemist respectively:—

Under Schedule 2, Part IV (Part I).—Preliminary Scientific certificate.—H. Baird, J. A. Brown, J. Bunting, E. C. Carson, Margaret Coe, J. C. Connell, W. J. W. Crawford, R. H. C. Harvey, T. A. Kane, Annie F. E. Kirk, W. J. Linehan, S. P. Linton, J. F. T. Martin, N. A. Millar, J. Mitchell, Mary McAnallen, H. McCreedy, J. McKibbin, W. J. McLeod, R. J. Picken, W. Powell, R. G. Pring, G. M. Shaw, J. B. Thompson, W. E. Thornton.

Under Schedule 2, Part IV (Part II).—Final Qualifying examination.—Sarah W. Crawford, L. M. Forrest. A. E. Johnston, A. S. J. Laverty, D. L. Moody, J. M Moore, W. H. Mulholland, L. McCrory, W. J. Thornton, A. Wilson.

The following candidates are referred in the subjects specified and may complete at one subsequent examination:—

Under Schedule 2, Part IV (Part I).—Preliminary Scientific.—Botany and chemistry, Sarah M. Culbert, W. L. Henry, J. L. Kingcross, W. A. Loughran, R. U. Mathers; chemistry and physics, G. Hamilton, A. Hegarty; chemistry, W. P. Ewart, W. A. Norris; physics, J. J. O'Hagan; botany, A. T. Gowans, J. D. Goyer.

Under Schedule 2, Part IV (Part II).—Final Qualifying examination.—Pharmacognosy and chemistry, J. Coulter, A. L. Pollock, W. White; pharmacognosy, W. B. Mullin; chemistry, Maria C. Todd.

In the examinations under Schedule 2, Parts I, II and III of the Pharmacy and Poisons Act (Northern Ireland), 1925, the following candidates, having passed in all the necessary subjects, are recommended for the certificate of Pharmaceutical Chemist:—

Under Part III.—R. Blair, G. Cheevers, F. W. Dodds W. Doig, A. M. Dougan, R. Gray, S. Hill, W. J. Magee, J. F. McKee, J. Reid, J. Sanderson, S. Smyth and J. Wilkinson.

Under Part II.—C. E. Byrne, J. Dougherty, R. M Ferris, J. D. Fullerton, W. A. Gray, A. Holmes, T. H. Hutchinson, J. Kielty, W. G. McCreight, H. E. M'Ilroy, R. McQuitty, T. Nelson, W. H. Richardson, H. Roberts, F. Robson, J. Simpson, J. Stewart and C. A. Talbot.

Under Part I.—Elizabeth J. Ardis, Lily Ballagh, D. Baxter, E. Boyd, J. Buchanan, T. Cromie, Susan Dundee, R. J. Jeffers, Ida B. J. Johnston, A. L. Martin, jun., W. Morrow, J. McClean, J. McClenahan, Margaret J. McClure, R. McCutcheon, T. McDowell, R. M'Grath, R. J. W. McKenna, J. G. W. Robb, M. J. Smith, W. G. Taylow, J. Thompson, S. Warnock and T. M. Wright.

The following candidate is referred in the subject specified, and may complete at a subsequent examination:—

Under Part I.—Chemistry, W. J. Gracey.

Summer Outings

Bury Chemists at Chester

THE first annual picnic of the Bury and District Branch of the Pharmaceutical Society was held on May 25, motor coaches conveying a party of twenty-seven to Chester. A motor-boat trip up the River Dee was followed by tea at the Royal Oak Hotel. The chairman (Mr. D. Williamson) afterwards conducted the party round the city walls.

Pharmaceutical Society
of Great Britain

North British Executive

The names of the persons eligible and willing for election to the North British Executive are:—H. P. Arthur, F. W. M. Bennett, J. Carmichael, G. Coull, W. S. Culbert, A. Currie, P. M. Duff, T. B. Forrest, D. Harley, J. S. B Heddle, D. McCall, D. G. Mackenzie, T. Mackenzie, A. McMillan, W. G. McNab, J. B. McVitae, T. C. Miller, J. R. Milne, A. Murray, A. Robertson, C. Simpson, C. Stewart, A. Taylor, H. W. Thomas, J. Weir. There are seventeen vacancies.

Branch Meetings

Bedfordshire.—A well-attended meeting of the Bedfordshire Branch was held on May 21, Alderman J. H. Webb (president) in the chair. Mr. E. Saville Peck (member of the Society's Council) gave an address on the *Report of the Departmental Committee and the Draft Poisons and Pharmacy Bill.* Mr. Peck said that some pharmacists were under the impression that the Society was responsible for the Bill, but he assured them such was not the case. Mr. Peck added that there was very little chance of the draft Bill coming before Parliament this year. As it stands chemists are inadequately represented on the Poisons Board, and there is the substitution of the words "authorised seller of poison" for the title "chemist and druggist" or "pharmacist." One of the few redeeming features is the compulsory membership of the Society and the ability to remove anyone from the Register. Many questions were put to Mr. Peck. On a vote being taken the meeting was unanimous that the Bill should be amended, and the secretary was instructed to forward the resolution with suggested amendments to the Society. A hearty vote of thanks was accorded to Mr. Peck.

Isle of Wight.—A meeting of the Isle of Wight Branch was held on May 18, Mr. E. W. Pollard (chairman) presiding. The president opened the meeting with a brief speech and introduced Mr. J. J. Laws. The members present gleaned much useful information, and plied the speaker with questions, which were fully answered. Mr. F. W. Beken (Cowes) moved a vote of thanks to the speaker, and Mr. F. D. Coghlan seconded.

Wills

MR. FREDERICK LIONEL KEITH LOXLEY, Ph.C., of 32 Chalford Road, Oxford, left estate of the gross value of £9,338 17s. 8d., with net personalty £8,656 13s. 7d.

MR. OLIVER LINCOLN JACKSON, of Peacehaven, Little Bispham, Blackpool, chemist and druggist, left estate of the gross value of £41,734 10s. 4d., with net personalty £18,391 10s. 11d.

MR. GEORGE STANLEY PRESTON FAIRMAN, of 33 Hunter Terrace, Sunderland, chemist and druggist, who died on February 18 last, aged thirty-six years, son of the late G. P. Fairman, Ph.C., left estate of the gross value of £4,339 5s. 8d.

LIEUT.-COL. OSCAR LOUIS EUGSTER, D.S.O. (R.H.A., retired), managing director of the British Syphon Co., Ltd., who died in London on March 14 last, aged forty-nine years, left estate of the gross value of £92,030 14s. 10d., with net personalty £63,619 7s. 7d.

MR. LEWIS WOOLF, of 94 Balsall Heath Road, Edgbaston, Birmingham, chairman of Lewis Woolf, Ltd., manufacturers' and druggists' sundriesmen, who died on January 2 last, aged seventy-eight, left estate of the gross value of £14,437 15s. 4d., with net personalty £11,922 13s. 9d.

Insurance Act Dispensing

Record of Matters concerning Chemists' Interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

Derby.—At a meeting of the Borough Insurance Committee the Finance Subcommittee reported that two prescriptions by a doctor for a disinfectant soap had been submitted for decision as to whether they were to be admitted for payment. The secretary of the Pharmaceutical Association, who had been consulted on the point, was of opinion that the prescriptions should not be allowed. It was recommended that the cost of the substances be disallowed and that the pricing bureau be notified. This was agreed to. Bureau statistics for the quarter ended December 31, 1929, showed that the number of prescriptions dealt with in the Derby area was 52,110.

East Ham.—At a meeting of the East Ham Insurance Committee on May 28, a report was received relative to a test prescription. The prescription was for an eye lotion, and the analyst's report showed 55.5 per cent. excess of boric acid. The lotion was prepared with tap water instead of distilled water. The dispenser's explanation was that the excess of boric acid was due to a wrong weight being used in error, and that, being without distilled water, he used tap water boiled in a flask. The committee found no extenuating circumstances, and decided to recommend the Minister of Health to deduct £5 from the chemist's remuneration.

London.—A meeting of the London Pharmaceutical Committee was held recently, Mr. A. H. Jenkin in the chair. The reports of the Central Checking Bureau for the months of December 1929 and January 1930 showed that the margin of error in pricing was 0.02 per cent. and 0.03 per cent. respectively. The secretary reported *inter alia*:—That the following changes had taken place in the panel list during the period January to March 1930: shops changed hands, 9; new shops, 18; new branches, 6; resignations, 7. Comparative figures for the first quarter of 1929 and 1930 are as follows:—

——	1929	1930
Total number of prescriptions ..	2,997,065	2,339,254
Cost of ingredients	£42,538 11 1	£32,495 17 9
Cost of dispensing fees	£56,800 11 2	£42,561 8 0
Average cost of ingredients ..	3.40d.	3.33d.
Average cost of dispensing fees ..	4.55d.	4.37d.
Total number of persons on list..	1,841,195	1,878,392
Average cost per person	12.95d.	9.59d.

Regarding alterations in the drug tariff the Committee considered that the notice given to chemists was too short, having regard to their stocks in hand, and that in future at least three months' notice should be given. The secretary was accordingly instructed to send a protest to the authorities concerned. The Chemists' Service Subcommittee reported particulars of cases dealt with at a meeting, at which seven cases were considered under the testing scheme. Six chemists were cautioned and one chemist was censured.

Northamptonshire.—At a recent meeting of the County Insurance Committee a report was considered in which a complaint had been made against a chemist with reference to a prescription which had been inaccurately dispensed by an unqualified man. In moving that the chemist be reprimanded and cautioned, Mr. Allebone said he was surprised, considering the thousands of bottles of medicine which were made up, that there were so few complaints. Mr. Allebone also said the case in question was the exception rather than the rule, and the chemist had promised that anyone unqualified would not be allowed to dispense again. The report was adopted.

Nottingham.—At a recent meeting of the Nottingham Insurance Committee it was reported that the number of persons on lists in the Nottingham area was 116,502. The number of chemists on the Committee's lists was seventy-five, comprising 109 places of business. Prescriptions issued by practitioners during the year totalled 529,431, an increase of 28,306. Thirty-two samples of medicines and appliances had been taken from chemists, and it was necessary for only six to be dealt with by the Pharmaceutical Service Subcommittee. In two cases the Committee decided to withhold an amount from the moneys paid to the chemists concerned. In two other cases the chemists were requested to exercise greater care.

Pembrokeshire.—At a meeting of the Insurance Committee the Medical Benefits Subcommittee reported that they considered radiant heat treatment outside the scope of the Insurance Act. The clerk suggested that the Committee might pass a resolution recommending to the Ministry that this form of treatment should be given to panel patients, and that centres should be established. The resolution was passed.

Rutland.—It was reported to the Rutland Insurance Committee, at a meeting held recently, that there were eight chemists on the panel. Seven samples of medicines and three of appliances had been taken for testing purposes; the dispensing in each case was reasonably accurate, and no case had been referred for investigation.

Sheffield.—At a recent meeting of the Sheffield Insurance Committee, the Panel Committee reported that they had considered the supply by practitioners of glucose, Radio-Malt and Roboleine, and that in these particular cases glucose and Radio-Malt were a proper charge upon the drug fund, but in the case of Roboleine it could not be considered a proper charge. The Committee decided that the practitioner be surcharged accordingly.

Somerset.—At a recent meeting of the County Insurance Committee it was stated that in a case in which the analysis of a dispensed prescription revealed an excess of one of the constituents there was no fault on the part of the chemist. It was inquired if the Committee had the same means of testing prescriptions dispensed by medical practitioners as in their case. Mr. E. Brodie said the Committee had often considered the matter. Dr. R. W. Statham observed that the cases were not comparable.

Stockport.—At a recent meeting of the Stockport Insurance Committee it was reported that sixteen samples of medicines and appliances were taken for testing last year, and in thirteen cases the analyst's report was satisfactory. In the remaining three cases the explanations of two chemists were accepted, and one chemist was cautioned. During 1929, 286,592 prescriptions were dispensed by chemists at a cost of £9,547, the average cost being 8d.

Wiltshire.—The report of the secretary to the Wiltshire Pharmaceutical Committee for the year 1929 states that in June Wiltshire escaped the expense of a contested election, as not more than twelve members were nominated. By agreement with the Panel and the Insurance Committees this Committee accepted the proposal to adopt the new National Formulary. The Pricing Bureau have made regular checks, and their reports show that the amount of error in pricing is small. During the year not one case of incorrect dispensing has been brought before the Insurance Committee. The following particulars appear in the report:—Number of prescriptions dispensed in 1929, 195,306; average number of scripts dispensed per shop, 3,000; average amount paid to each chemist for year, £115; average cost per prescription, 9¾d.; average cost per insured person, 2s. 9d.

Dental Board of the United Kingdom

(*Concluded from the C. & D., May 31, p. 653.*)

Disciplinary Cases

The hearing of the disciplinary cases commenced immediately after the delivery of the chairman's address, and concluded on the following day. The first case taken was that of Mr. Wilfred Henry Weeks, 42 Prince of Wales Road, Norwich, who had originally been summoned before the Board in November 1928 in consequence of a conviction for attempting to evade customs duty. Mr. Weeks was not present; but after the Board's solicitor had read correspondence with him, the chairman announced that the case was further adjourned to the November session for the production of satisfactory testimony.

The next case was that of Mr. Fred Shaw, 6 Dolphin Lane, Boston, who appeared, accompanied by his counsel, following convictions for harbouring uncustomed goods and other offences. Mr. Shaw was given twelve months in which to obtain testimonials as to his good conduct in the meantime.

The only charge of exhibiting lettering of excessive size at a dentist's premises during the sitting of the Board was that of Mr. William John Jones, 334 King Street, Hammersmith, London, W.6. It was ascertained that certain improvements had been carried out by Mr. Jones, and the case was discharged.

The case of Mr. James Edgar Nelson, 145 Brighton Road, Purley, which had been remitted to the Board for further inquiry and report by the General Medical Council on November 26, 1929 (*C. & D.*, 1929, II, 691) was considered *in camera* by the Board, who decided to adhere to their original finding that the respondent's name should be erased from the Register and to add a report of new evidence.

In two other instances the Board also found that the names of the respondents should be erased from the Register. The cases were those of Mr. Frederick William Osborn, 22A Regent Street, Rugby, who had been convicted of stealing a cheque, and Mr. Joseph Limbrick, 8 High Street, North Woolwich, sentenced for bigamy.

The case of Mr. Joseph Henry Lowe, 44 Crumlin Road, Belfast, who was accused of advertising or sanctioning newspaper advertisements, resulted, after Mr. Lowe's solicitor had put in statutory declarations by Mr. R. C. McKnight, chemist, and others, in the finding that the facts alleged against him had not been proved. Mr. Lowe, however, was admonished as to his future conduct.

The last case taken was that of Mr. Albert Edward Tolley, Long Lane, Blackheath, Birmingham. The complaint against him was that he had sent out handbills and professional cards. The Board found the facts proved, but gave Mr. Tolley an interval of twelve months in which to produce satisfactory testimonials.

Amendment of Notice

The Board decided to amend the "Important Notice" as follows:—

"II.—*Advertising to Obtain Patients*

"(*a*) Signs.

"The Board have adopted the following resolution:—

'The Board view with disapproval the use or exhibition of any sign, other than a sign which in its character, position, size and wording is merely such as may reasonably be required to indicate to persons seeking them the exact location of, and entrance to, the premises at which the dental practice is carried on.'

"This resolution covers the use of large letters or *fascia or other* notice boards; of such words as 'Teeth,' 'Painless Extractions,' or the like; of notices in regard to practices on premises other than those in which a practice is actually carried on; of show cases; of large lighted signs, especially if intermittent; *of daylight signs;* and the display of numerous exhibits or plates setting forth a practitioner's name and/or profession. The Board do not approve of a name *and/or description* appearing upon a window when a hanging sign is used *and vice versa;* and *in any case* a name *and/or description* should not appear upon more than two windows. A name *and/or description* in large letters across a converted shop window is objectionable, as is also a window painted an arresting colour. Any advertising for the purpose of obtaining patients renders a practitioner liable to be summoned to appear before the Board."

Other Business

At its second sitting the Board passed resolutions allotting sums of money to various teaching bodies and dental schools, and received the usual reports from its committees. The financial statement showed an income of £43,122, and a balance, after deducting expenditure, of £1,434.

General Medical Council

(*Continued from the C. & D., June 7, p. 690.*)

Dental Business

As usual, dental business was taken immediately after the president's address. Reports from the Dental Board of the United Kingdom were considered with the result that the names of Alfred Catlow and Harold Walmsley were restored to the Register, and the Registrar of the Board was directed to erase the following names from the Register:—Joseph Limbrick, James Edgar Nelson, Frederick William Osborn.

Restorations

The Registrar reported that the names of the under mentioned persons had been restored to the "Medical Register," from which they had been erased:—

Bickerton, John M.	Morrison, David
Dove, Arthur F. R.	Mulholland, Daniel J.
Hope, Percy L.	Reeves, Thomas S. (I).
McCarthy, Thomas J. (I).	Rowlands, Annie E. G.
Mackinnon, Grace C. C. (S).	Waddell, Laurence A. (S).
Malone, William A. (I).	Waters, John F. W.
Marsh, Sylvia (I).	

Disciplinary Cases

The first of the disciplinary cases, which as a whole occupied portions of May 27 and succeeding days, was that of Miss Elizabeth Caroline Mudie, 3 Windsor Quadrant, Kelvinside, Glasgow, a medical practitioner holding the Scottish triple qualification, who was originally summoned before the Council in May 1929 (*C. & D.*, 1929, I, 678), on a charge of having been associated with or employed by a commercial company of which she was part-proprietor. The evidence now adduced by Dr. Mudie was regarded as satisfactory, and her name was retained on the Register.

The next case was that of Mr. William (Mulhall) Corbett, M.B., B.Ch., 66 Finsbury Pavement, London, E.C.2, and was of similar nature to the previous case. Mr. Corbett also tendered expressions of regret and of assurance as to his future conduct, and the hearing ended with the retention of his name.

One case was adjourned for the production of further evidence, the Council not being satisfied with the details placed before them. The respondent was Mr. Frederick William Barton, M.R.C.S., L.R.C.P., 218 Stockwell Road, S.W.9, who had been the respondent in a divorce case.

Postponement for twelve months was announced in the case of Mr. Percy Bateman, 423 New Cross Road, S.E.14, a practitioner holding the Scottish triple qualification, who, summoned to appear in consequence of a conviction for drunkenness, sent evidence of being medically unfit to attend.

The following names were, for various reasons, mentioned for erasion from the Register:—William Wolfe Glucksman (under Standing Orders, 13, II, 7); Frederick Windham Chamberlain, M.R.C.S., L.R.C.P., Aylsham Road, Norwich (following conviction for indecency).

(*To be continued.*)

Retail Pharmacists' Union

Executive Meetings

MEETINGS of the Executive of the Retail Pharmacists' Union and Chemists' Defence Association were held at 4/5 Queen Square, London, W.C.1, on May 27, Mr. H. H. Marshall in the chair.

DEPARTMENTAL COMMITTEE'S REPORT

The Executive considered various resolutions submitted by Branches regarding the draft Pharmacy Bill, but decided that until further detailed consideration had been given by the Executive to the Bill, no pronouncement should be made, beyond the statement that the Executive were fully alive to the need of amending the draft Bill in the interest of retail chemists.

"KNOWN, ADMITTED AND APPROVED" REMEDIES

The following letters, dated respectively May 8 and May 14, and signed "C. J. Flynn," had been received from the Commissioners of Customs and Excise:—

I am directed by the Commissioners of Customs and Excise to acknowledge receipt of your letter of April 17 last, suggesting that a series of friendly Court actions should be arranged to decide certain points which your Union wish to dispute, and to state that the Commissioners regret that they cannot accept the suggestion.

I am directed by the Commissioners of Customs and Excise to advert to the letter from this Department dated December 4, 1929 (No. 80330/1929) and of March 5, 1930 (No. 6459/1930) with reference to medicines sold by means of automatic machines, and to inform you that they do not regard the exemption from medicine stamp duty in favour of "known, admitted and approved" remedies as applicable to medicines so sold.

The Executive endorsed the action taken by the secretary in issuing a circular to members indemnifying them against prosecution if the complete conditions of the exemption had been observed.

C.D.A. Matters

The secretary reported that of the twelve cases outstanding since the last meeting one might be considered closed, and settlements had been effected in regard to four of the cases, as follows:—(1) Inflamed eyes caused by lotion prescribed by assistant: claim settled by payment of £6 14s.; (2) eggs failed to hatch in incubator owing to faulty thermometer supplied: claim settled by payment of £15; (3) Inflammation and dermatitis developed after burn dressed: claim settled by payment of £10 10s.; (4) Damage to taxicab, caused by cycling errand boy: claim settled by payment of £3 os. 6d.

The secretary reported that five new cases had arisen during the month. Two of these had been settled:—(1) Child knocked down by cycling errand-boy: claim settled by payment of 4s.; (2) Coat torn on box in shop: claim settled by payment of 2s.

The secretary reported that a member had been defended in respect of a summons for selling calcined magnesia containing carbonate of magnesia. The case had been dismissed. Two members had been defended in respect of summonses under the Dangerous Drugs Act. One case had been dismissed upon payment of £5 5s. costs, and in the other case the member had been fined £20 upon the five summonses issued against him. Two members had been legally represented at inquests: a verdict of "misadventure" and an open verdict had been returned in the respective cases.

Special General Meeting

A special general meeting of the Union was held at 4/5 Queen Square, London, W.C.1, on May 28, Mr. H. H. Marshall in the chair. The chairman stated that the meeting had been called to make a formal alteration in Rule 37 governing the election of the R.P.U. Executive. The following amendment to Rule 37 was approved and adopted:—

Delete all words after "vacancy" in the fifth line, and insert "and a special election may be held to fill the vacancy arising from these or any other reasons." The Committee may, however, in every case use its discretion whether or not the vacancy shall be filled in any other way.

The meeting concluded with a vote of thanks to the chairman.

Branch Meetings

Manchester.—At a recent meeting of the Manchester and District Branch of the Retail Pharmacists' Union Mr. Yates was elected *Chairman* and Mr. J. Cleworth *Vice-Chairman* for the ensuing year. The other officers were re-elected.

Association Meetings

London (S.W.).—The adjourned annual meeting of the South-West London Chemists' Association and Branch of the Pharmaceutical Society was held on June 6, Miss A. T. Borrowman (president) in the chair. The chairman congratulated Mr. John Keall upon his election to the office of treasurer to the Pharmaceutical Society. A letter was read from the South-Eastern Counties Pharmacists' Federation asking for support to their suggestion that the Retail Pharmacists' Union should be urged to adopt a sign for display on the premises of their members bearing the words "The Sign of the Qualified Chemist." The support was given heartily. The following resolution was proposed by Mr. W. K. Fitch and seconded by Mr. J. E. Monaghan, and carried unanimously:—"That the draft Pharmacy and Poisons Bill as it now stands is unacceptable; and the members of this Association and Branch pledge themselves to support the Council of the Pharmaceutical Society and the Executive of the Retail Pharmacists' Union in any action that they may take to have the proposed Bill made more acceptable." The following officers were appointed for the ensuing year:—*President*, Miss A. T. Borrowman; *Vice-Presidents*, Mr. J. E. Monaghan and Mr. J. E. Jones; *Treasurer*, Mr. F. G. Wells; *Secretary*, Mr. H. G. Tibbett; *Social Secretary*, Mr. J. E. Jones; *Sports Secretary*, Mr. D. A. Rees; *Committee*. Mrs. Freke, Misses Monaghan and Muers, Messrs. Browne, Fitch, Inglis, James, Loxley, Shakerley and Woodnoth; *Auditor*, Mr. W. H. Goy.

Sheffield.—The annual meeting of the Sheffield Pharmaceutical and Chemical Society was held on June 3, Mr. F. Hindle in the chair. The annual report and the balance sheet were presented. It was decided to hold four meetings next session and have a dinner in conjunction with the local Branch of the Pharmaceutical Society in November. Voting for a council resulted in Messrs. Antcliffe, Austen, Blackburn, Crowe, Culverhouse, Hindle, Hobson, Kerman, Knowles, L. Piper, E. Preston and H. G. Williams being returned. A vote of thanks was accorded to the secretary (Mr. L. Piper) and to the scrutineers (Messrs. Gilbert and Thompson). At a Council meeting the following officers were elected for the ensuing year:—*President*, Mr. C. W. Hobson; *Vice-Presidents*, Messrs. J. Austen and E. Preston; *Treasurer*, Mr. H. Antcliffe; *Secretary*, Mr. L. Piper; *Auditors*, Messrs. C. P. Gilbert and W. B. Stather; *Librarian*, Mr. A. H. Culverhouse. Mr. F. Hindle presented to the Society a book given as first prize by the Society to the late Mr. J. H. Bradwall in 1868 for an essay.

PISTANY SPA.—Our attention has been drawn to special arrangements which have been made for visitors to Pistany Spa, Czechoslovakia, in August and September. Full particulars may be obtained from Pistany Spa Representation (McClure, Young & Co., Ltd.), 136 Regent Street, London, W.1.

Drug Trade Appeal Fund

By the Secretary

WHEN the Drug Trade Appeal Fund was founded by the late Sir William Glyn-Jones it was one of the best-known bodies connected with pharmacy; but when arranging, recently, for the biennial meeting of subscribers I was struck by the fact that the present active members of some of the old-established firms who were joint builders with Glyn-Jones knew nothing about the Fund or its objects. Hence this brief sketch.

In 1902 there were three cases waiting attention in the High Courts, and there was no money to pay for them. With the cordial help of the editors and proprietors of the Trade papers, Mr. Glyn-Jones (as he then was) set to work to collect the "sinews of war," and in a very short time, with the co-operation of leaders in all sections of the trade, he collected nearly £1,000, all specially earmarked for appeal work.

Men who Helped and Men who are Helping

Among the earlier co-workers were some whose names are now only a memory, and a few who are, fortunately, still with us. I notice, among others, the following who attended one of the earliest meetings:—C. B. Allen (past-president, Pharmaceutical Society), W. H. Fassett (Fassett & Johnson), Walter Hills (John Bell & Co., Oxford Street, also past-president of the Society), Lionel Newbery (Francis Newbery & Sons, Ltd.), Mr. Pond (of Areca Nut Tooth Paste fame), Mr. A. C. Wootton and Mr. Peter MacEwan (Editors at different times of THE CHEMIST AND DRUGGIST), Mr. C. J. Knight (a stalwart old friend and a trustee for some years), and Mr. Henry S. Wellcome (Burroughs Wellcome & Co.). Amongst the founders I have pleasure in mentioning Sir Jesse Boot (now Lord Trent).

The present trustees are equally representative of the sections of the drug trade to which they belong. They are:—Messrs. C. A. Hill (managing director, The British Drug Houses, Ltd.; past-president, British Pharmaceutical Conference; chairman, Drug Trade Appeal Fund Trustees for twelve years); L. O. Johnson (Fassett & Johnson, our newly-appointed treasurer, who has been a trustee since 1909); W. F. Gulliver (late of the London College of Pharmacy, treasurer for thirteen years until 1930); A. R. Melhuish (president of the Pharmaceutical Society, trustee since 1922); David Lloyd Howard (Howards & Sons, Ltd., trustee since 1918); John Keall (treasurer of Council of the Pharmaceutical Society, trustee since 1924); E. T. Neathercoat (chairman and managing director of Savory & Moore, Ltd., past-president of the Pharmaceutical Society).

Rules and Objects

The Fund is in charge of seven trustees, elected periodically by the subscribers. It is to be used at their discretion in contesting appeals in the superior courts of the United Kingdom, in any case where an offence against an Act of Parliament is alleged, and in which a question is involved which, in the opinion of the trustees, is of general importance to the trade.

The most far-reaching appeal undertaken was the case of Farmer v. Glyn-Jones. Mr. Glyn-Jones, with his usual keen perception, realised, after a study of the Medicine Stamp Act of 1812, that chemists were being prevented from using a privilege which they should have enjoyed for the previous ninety years. He labelled some ammoniated tincture of quinine by that name, *plus* the words, "British Pharmacopœia" and the following words (which, the Board contended, created liability to stamp duty), "Dose for Influenza, One teaspoonful in water." At Thames Police Court the magistrate decided that there was no infringement, as the medicine had never been a proprietary article and in the High Court this view was upheld.

In subsequent years, a number of applications for appeal have been considered, and disallowed on grounds of unsuitability for various reasons. Several others, however, have been proceeded with. Amongst these was a friendly contest, the Pharmaceutical Society v. Edwards, which settled the question, "What name should appear on a poison label?" Another very important appeal was Jeynes v. Hindle. Although we lost, the decision settled a prominent point in the law of warranties, under the Sale of Food and Drugs Acts, so, to that extent, the effort was not wasted. Viewing the twenty-eight years' work as a whole, the trustees have reason to be proud of their achievements and the whole trade reason to be proud of the trustees.

Finances

It is necessary to say a word more about the £.s.d. aspects of the Fund. Nearly £1,000 was subscribed in 1902. Since then no subscriptions have been asked for or received, but two donations, amounting to a little over £130, were paid in by two firms, in respect of cases dealt with. The expense of the work, with these exceptions, and, of course, the taxed costs we have got out of "the other side" from time to time, has been covered by the dividends on invested capital. At present the trustees have in hand about £700—mostly invested. It only remains to add that the Fund has always been "housed" by the Chemists' Defence Association, though the two bodies are in no way connected. By courtesy of the C.D.A. directors our present address is theirs, viz., 4 and 5 Queen Square, Bloomsbury, London, W.C.1. The secretary (W. Johnston, Ph.C.) has held that office since 1905. The older members of the craft wil remember him as former secretary of the C.D.A. and assistant secretary of the P.A.T.A.

Reasonable and Necessary

THERE is a note in Part II of the National Insurance Drug Tariff which states that actual out-of-pocket expenses in the case of certain preparations will be paid for, provided that the Insurance Committee may require the chemist to satisfy them that such expenses have been reasonably and necessarily incurred. Many of the queries which present themselves to the chemist in the execution of his duties can be solved if he will apply the test of reasonableness or necessity.

In a claim for expenses he ought to be able to justify a claim for a telegram or taxicab fare by producing evidence of urgency, and the practitioner would have to supply that. Postage on a proprietary article ordered specially would seem to be a legitimate charge; but a claim to cover the cost of the cheque with which to pay the account seems unreasonable, because that cost would be included in ordinary establishment charges, which are supposed to be covered by the dispensing fee.

A question which presents itself to some chemists is whether they will receive payment for suspending agents or pill-excipients used in dispensing Insurance prescriptions. If it is necessary to add to a mixture some suspending agent which the prescriber has not mentioned on the form, the chemist should claim the cost of this. These are matters about which every doctor is not well informed, and it is the chemist's task to prepare the mixture "according to art." But what he adds must be necessary; and if it is, no chemist should quietly endure the disallowance of such items by any pricing bureau.

The same principle may be applied to the use of distilled water. The drug tariff says that the term "aqua" shall be interpreted to mean distilled water in three cases, the third being "where in the opinion of the chemist the use of ordinary water would result in an undesirable alteration in the character of the medicant prescribed." Here, plainly, the chemist is to be the judge; but again, his judgment must be exercised reasonably. Distilled water can hardly be called necessary when it is used in a mixture merely to preserve the colour of tinct. card. co. The chemist should remember that at most pricing offices there is a qualified chemist in charge, and any claim he makes for items which he has found it necessary to add to the doctor's prescription for pharmaceutical reasons will be sympathetically considered.—OBSERVER (17/7).

British Pharmaceutical Conference

WE have received the following details of the arrangements which have been made for the British Pharmaceutical Conference at its Cardiff meeting on July 21-25 inclusive:—

Monday, July 21

8 p.m. Civic reception by the Lord Mayor in the City Hall. Dancing 8.30 to 1.

Tuesday, July 22

10 a.m. Opening session in the Technical College. Civic welcome by the Lord Mayor. Chairman's address, after which ladies will be free to spend the morning as they wish (arrangements have been made for a tour of the City or Museum). Science meeting.
1 p.m. Luncheon in the Assembly Room, City Hall.
2.15 p.m. Delegates' meeting in the Technical College.
3 p.m. Ladies' excursion to Barry via Cowbridge, etc., with tea at Merry Friars, Barry Island.
4.30 p.m Education meeting in the Technical College.
7.30 p.m. Banquet in the City Hall.

Wednesday, July 23

10 a.m. Science meeting in the Technical College.
10 a.m. Ladies' tour over Cardiff Castle and historical part of grounds.
11 a.m. Delegates' meeting in the Technical College.
1 p.m. Luncheon in the Assembly Room, City Hall.
2 p.m. Science meeting in the Technical College.
5.30 p.m Tour of Caerphilly Castle and entertainment to tea by the Most Hon. the Marquis of Bute, K.T. The official photograph will be taken.
8 p.m. Ball in the Assembly Rooms, City Hall.

Thursday, July 24

10 a.m. Closing session in the Technical College.
12 noon. Luncheon in the Assembly Room, City Hall.
1 p.m. Motor drive to Caerleon, Usk, Llangwm and Tintern. Tea at Tintern.
8.30 p.m. Entertainment and dance in the City Hall.

Friday, July 25

Sports Day. Golf at Radyr. Bowls and tennis at Penylan Bowling Club.
8 p.m. Musical "At Home" at the Royal Hotel.

HOTELS (LICENSED)

Hotel	Phone	Bed and breakfast	Whole day	Accommodation offered
Grand ..	Cardiff 1996	10/0	18/0	10 Single, 10 Double
Queen's ..	Cardiff 5976	9/6	17/6	30 to 40 Persons
Central ..	Cardiff 843	7/6	Lunch 2/6 Dinner 3/6	40 Double, separate beds
Angel ..	Cardiff 7860	12/6	22/6	50 Persons
Sandringham	Cardiff 1715	7/6	Lunch 2/6 Dinner 3/6	5 Double. separate beds
Barry's ..	Cardiff 538	8/6 & 9/6	Lnnch 3/0 Dinner 4/0	40 Persons
Gt. Western	Cardiff 1516	8/6	16/0	6 Single, 4 Double
Alexandra ..	Cardiff 1586	10/0	17/0	3 Single. 3 Double
Penarth Esplanade	Penarth 657/8	—	18/0 each per day for 2 in a room	10 Double
Park Hotel..	Cardiff 2566	12/6 & 13/0	21/0 per head	21 Double. 21 Single

HOTELS (UNLICENSED)

Hotel	Phone	Bed and breakfast	Whole day	Accommodation offered
Birchfield Private. 42 Cathedral Road	Cardiff 2497	6/6	10/6–12/6	8 Persons
Carfret Commercial. 71 Cathedral Road	Cardiff 2680	5/6	12/6	8 Persons
Royal Clarence ..	Cardiff 2262	6/0	9/6	12 Persons

General Notes

All Conference visitors should make application for rooms direct to the hotel or boarding house chosen, not later than July 7, stating that they are of the Conference party. Should there be any difficulty in securing accommodation, apply direct to Mr. E. G. Howell, 130 Queen Street, Cardiff. All hotels and boarding houses are within easy distance of the City Hall, and near garage accommodation.

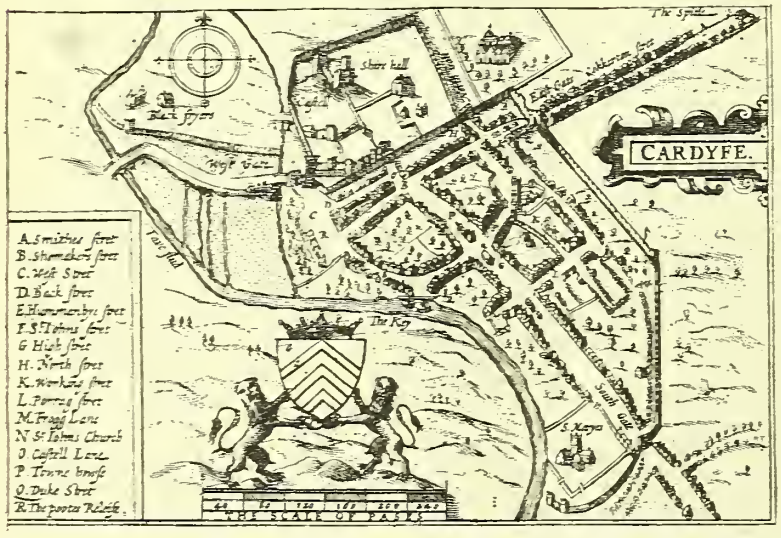
Each book of tickets for the entire programme costs £2 12s. 6d., but those applied for by July 1 will be subject to a special concession of 2s. 6d. per set—£2 10s. Early application for these will be much appreciated by the Local Committee.

Arrangements have been made with the Railway Clearing House whereby visitors to the Conference may travel at reduced rates. The necessary voucher will be sent to each applicant for Conference tickets.

If accommodation is available tickets for single days will be issued at £1 1s. per day. These tickets, however, can be granted only to members of the Conference and their families.

All applications for tickets should be accompanied by cheque or postal order (made payable to Mr. S. B. Eason, hon. treasurer, Cardiff Conference Committee), and sent to the hon. secretary, Mr. J. Murray, 5 Bute Street, Cardiff.

For the convenience of visitors, an inquiry bureau will be opened at the City Hall early on Monday, July 21, for the duration of the Conference.



PLAN OF THE CITY OF CARDIFF IN JOHN SPEED'S "THEATRE" (1611-12), SHOWING STREETS SEVERAL OF WHICH ARE STILL IN THE SAME POSITIONS.

At a recent meeting of the Cardiff Pharmacists' Association and local Branch of the Pharmaceutical Society, held at the Royal Hotel, Cardiff, the following were elected delegates to the British Pharmaceutical Conference: Messrs. J. D. Jenkins, Vernon Lloyd and D. Harries.

Trade Notes

REGULOL is a stable emulsion of liquid paraffin with agar-agar prepared by Cuxson, Gerrard & Co., Ltd., Oldbury.

THE BRITISH DRUG HOUSES, LTD., Graham Street, City Road, London, N.1, have brought out a new series of high-class toilet preparations.

JOHNSON & JOHNSON (GREAT BRITAIN), LTD., Slough, elsewhere in this issue give particulars relating to a gift scheme of interest to chemists.

MR. G. MALCOLM (Britton, Malcolm & Waymark, Ltd., druggists' sundriesmen, 38 Southwark Bridge Road, London, S.E.1) has recently removed to 84 Berrylands, Surbiton. The telephone number is Kingston 4538.

PRICE REDUCTION.—A. Bourjois et Cie, Ltd., 4 Water Lane, London, E.C.4, have made substantial reductions in the prices of Ashes of Roses face powder. Particulars are given in the advertisement pages of this issue.

EVANS SONS LESCHER & WEBB, LTD., 56 Hanover Street, Liverpool, have placed on the market Californian honey in waxed cardboard containers. In this attractive packing the honey is being supplied as one of their Elco brand specialities.

DAWE'S FOOT ROT CURE.—Mr. Frank Rogers, chemist and druggist, 4 Victoria Terrace, Hove, informs us that the original formula and sole right of manufacture of Dawe's foot rot cure has been acquired by Smith & Son, 44 Magdalen Street, Norwich.

GILLETTE RAZOR BLADES.—Gillette Safety Razor, Ltd., 184 Great Portland Street, London, W.1, announce that reductions in the prices of their razor blades will come into force on June 18. For the purpose of adjustment retailers should inform the company not later than June 17 of the amount of stock at present held.

CLOSED FOR OUTING.—John Bell, Hills & Lucas, Ltd., manufacturing chemists, Tower Bridge Road, London, S.E.1, inform us that their premises will be closed on June 28, the date of the annual staff outing.—Meggeson & Co., Ltd., lozenge manufacturers, New Church Street, Bermondsey, London, S.E.16, announce that their offices and works will be closed on June 14 owing to a similar event.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Esterifying Polyvalent Alcohols or their Derivatives.—Process of esterifying compounds of the nature of polyvalent alcohols or their derivatives having at least one free hydroxyl group, in the presence or absence of an indifferent medium or a catalyst, wherein is used as an esterifying agent a condensation product prepared from a carboxylic acid halide by splitting off and separating hydrogen halide. (I. G. Farbenindustrie, Frankfort-on-Main. 327,165.)

Toilet Material.—An indiarubber emulsion containing gum tragacanth, made from a solution of indiarubber in a volatile solvent, is boiled under pressure to eliminate coagulative property and the adhesive character peculiar to gum, and is then subjected to distillation under reduced pressure to expel the volatile solvent. Sterilising, healing or cleansing substances may be incorporated, and a small quantity of the solution well rubbed into the skin will serve as a powder base. (Tokujiro Hashimoto, Tokio. 323,321.)

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

(From "The Trade Marks Journal," May 14, 1930.)

"SUPERENE"; for disinfectant (2). By J. Parker & Co. (London), Ltd., Cromwell House, Fulwood Place, High Holborn, London, W.C.1. 508,676. (Associated.)

"PYRETHICIDE"; for agricultural chemicals (2). By The Strawson Chemical Co., Ltd., 79 Queen Victoria Street, London, E.C.4. 511,736. (Associated.)

"MYO-SALVARSAN"; for medicinal chemicals (3). By I.G. Farbenindustrie A.G., Mainzerlandstrasse 28, Frankfort-on-Main, Germany; and by Bayer Products, Ltd., 19 St. Dunstan's Hill, London, E.C.3. 501,517. (Associated.)

"BEAUTEX"; "VERODA"; for perfumery, etc. (48). By The Oderma Toilet Co., Ltd., 101 Spring Bank, Hull. 511,675/677.

"DOGE"; for perfumery, etc. (48). By Shavex Zee-Kol Co., Ltd., 40 Blenheim Road, Upper Holloway, London, N.19. 511,785.

(From "The Trade Marks Journal," May 21, 1930.)

"PERFUNDOL"; for chemicals (1). By I.G. Farbenindustrie A.G., Mainzerlandstrasse 28, Frankfort - on - Main, Germany. 512,186.

"RADICURA"; for a woollen cloth containing radio active material for veterinary purposes (2); and for salves (3). By Radicura-Radiwoll, Ltd., 53 Victoria Street, London, S.W.1. 511,657/658. (Associated.)

"DIBACTOL"; for sterilising compounds (2). By A. Herbert, Ltd., Canal Road, Edgwick, Coventry. 511,916.

Bottle with design of elephant (Bottle device disclaimed); for lotions, essences, etc. (3). By Parscent, Ltd., 11 New Court, Carey Street, Lincoln's Inn, London, W.C.2. 499,909. (Associated.)

"DURACAINE"; for medicinal chemicals (3). By May & Baker, Ltd., Garden Wharf, Church Road, Battersea, London, S.W.11. 501,792.

"'PEN' BRAND" with two quill pens; for pharmaceutical products (3). By Clay & Abraham, Ltd., 87 Bold Street, Liverpool. 509,223. (Associated.)

"SPECIAL 890" with device including a man and a lion and the words "ANDROCLES AND THE LION" ("Special 890" disclaimed); for medicinal paraffin (3). By A. De St. Dalmas & Co., Ltd., 40½ Belgrave Gate, Leicester. 509,257. (Associated.)

"PURSTYL"; for medicines (3). By W. J. Izon, 86 High Street, Aston, Birmingham. 509,796.

"DR. TAYLOR'S PECTORAL COUGH SYRUP" with label design; for a cough remedy (3). By Semple & Smart, Ltd., 1 King Street, Port Glasgow. B511,770.

"ELITYRAN"; for medicinal chemicals (3). By Bayer Products, Ltd., 31 to 34 Basinghall Street, London, E.C.2. 512,279.

"OVANA"; for shampoo preparations (46). By Rowand & Co., Ltd., 35 Smithfield Street, Liverpool. 508,999.

"RYDETTE"; for perfumery, etc. (48). By Ryders, Ltd., 41 Basinghall Street, London, E.C.2. 511,021.

"LA VIEL"; for perfumery, etc. (48). By T. & B. Products, Ltd., 68 & 70 Goldsmith Street, Nottingham. 510,368. (Associated.)

"PEARS'S TRANSPARENT SOAP TABLET" with label design; for perfumed soap (48). By A. & F. Pears, Ltd., London Road, Isleworth, Middlesex. 511,364. (Associated.)

"MINERVA" with garland design; for toilet creams and powders (48). By Mary O. Fraser, 42 Lansdowne Road, Holland Park, London, W.11. 510,800.

"RENAIR"; for perfumery, etc. (48). By F. Godfrey, The Renew Hair Institute, Crich Carr, Whatstandwell, Matlock, Derbyshire. 511,954.

"NASALIVINE"; for dentifrices (48). By T. M. Davis, 34 Leicester Square, London, W.C.2. 512,307.

(From "The Trade Marks Journal," May 28, 1930.)

"MCDOUGALL'S KUR-MANGE"; for mange remedy, etc. (2). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted, Hertfordshire. B507,547.

Births

Notices for insertion in this column must be properly authenticated.

MALONE.—At Airdrie House, Coatbridge, on June 3, the wife of W. J. Malone, chemist and druggist, 49 Lloyd Street, of a son.

Marriages

CASTLE—LIPP.—At the Parish Church, Fochabers, recently, W. F. L. Castle, M.B., Ch.B., to Margaret Lipp, M.A., M.B., Ch.B., eldest daughter of Mr. George Lipp, J.P., chemist and druggist, Fochabers.

EVANS—WILLIAMS.—At Splott Wesleyan Church, Cardiff, on June 9, Ernest R. Evans, chemist and druggist, Pencoed, Bridgend, to Olive Williams.

SIGLEY—KENT.—At St. Luke's Church, Leek, on May 19, Tom Worthington Sigley to Doris Lilian Kent, M.P.S., Leek, formerly of Mountain Ash.

Deaths

BARKER.—On June 10, after a brief illness, Mr. George Barker, dentist, chemist and druggist, "The Hollies," High Street, Hampton, Middlesex. Mr. Barker, who qualified in 1892, carried on business for several years in Station Road, and subsequently practised as a dentist. He took a prominent part in the establishment of the Hampton Rifle Range and the Hampton Club and Institute. Mr. Barker leaves a widow and a daughter.

BEEBY.—On May 25, Mr. Robert Berry Beeby, chemist and druggist, Kineton. Mr. Beeby qualified in 1885.

HARBOTTLE.—At the Cardiff Royal Infirmary, on June 9, after a long and painful illness, Ethel, the wife of Mr. Douglas Harbottle, chemist and druggist, 148 Crwys Road.

MCMURTRIE.—On May 27, Mr. John McMurtrie, chemist and druggist, of Henry & McMurtrie, chemists, Macduff, aged seventy-three.

PARLBY.—At 49 Norfolk Street, Swansea, recently, Mr. Henry Pugh Parlby, chemist and druggist, aged eighty-four. Mr. Parlby, who was a native of Loughborough, had carried on business in Swansea since 1876. He was one of the chemists who catered for amateur photographers in the early days of the art, and was well-known locally as a lay preacher and a lecturer. Mr. Parlby leaves a son and a daughter. The funeral, which took place on June 2, was largely attended, especially by members of the Pell Street Primitive Methodist Church, and among the floral tributes was a wreath from the local chemists.

WHITE.—At the Metropolitan Hospital, London, E.8, on May 25, Mr. Arthur James White, chemist and druggist, aged sixty-five.

Personalities

LORD TRENT (formerly Sir Jesse Boot) celebrated the eightieth anniversary of his birth on June 2.

MR. W. MASSEY, chemist and druggist, Guildford, has been elected deputy-president of the local chamber of trade.

MR. W. R. PARKIN, chemist and druggist, Stevenage, has been elected to the committee of the local chamber of trade.

MR. J. B. GOULBOURN, chemist and druggist, Shrewsbury, has been returned unopposed as a member of the town council.

MR. G. S. DURRANT, chemist and druggist, Hertford, has been elected a member of the committee of the local chamber of commerce.

MR. H. HOCKEN, chemist and druggist, Reigate and Redhill, has been elected a member of the council of the local chamber of commerce.

MR. J. G. ARCHIBALD has been appointed a member of "the Committee on Restraint of Trade" in place of Mr. W. E. Mortimer, resigned.

MR. M. H. STILES, Ph.C., Doncaster, has been elected a life vice-president of the Doncaster Scientific Society, of which he has been a member for fifty years.

MR. D. DRUMMOND, chemist and druggist, Great Yarmouth, in a recent address to the local Rotary Club, dealt with the "History and Mystery of Poisons."

MR. HERBERT J. EVANS, F.I.C., Ph.C., Liverpool, has been appointed public analyst for the borough of St. Helens, in succession to Mr. Davies, who has resigned.

MR. J. P. WATSON, chemist and druggist, York, has recently made two successful flights in the neighbourhood of Malton on a glider of his own construction.

THE Albert Medal of the Royal Society of Arts has been awarded to Professor Henry E. Armstrong, F.R.S., "for his discoveries in chemistry and his services to education."

ALDERMAN R. A. METCALF, chemist and druggist, Mayor of King's Lynn, addressed the Yarmouth Rotary Club recently on "Some Simple Remedies for Common Complaints."

MR. GEORGE M. FUERST, governing director of Fuerst Bros. & Co., Ltd., 17 Philpot Lane, E.C., has just returned from an extensive aerial trip through Scandinavia, Holland and Germany.

MR. H. W. HARRIE, treasurer of the Commercial Travellers' Benefit Society, has been appointed to represent the Society at the annual conference of Holloway Friendly Societies at Gloucester on July 5.

MR. H. CUNDALL, display manager of D. & W. Gibbs, Ltd., London, E.1, recently gave a lantern lecture on "The Displaying of Advertised Lines" before the London branch of the National Display Association.

MR. FRANCIS D. PHILLIPS, J.P., chemist and druggist, Haverfordwest, member of the Executive of the Retail Pharmacists' Union, is reported to be making good progress towards recovery from an operation.

MR. A. ASHFIELD, Ph.C., Shanklin, Isle of Wight, as president of the local Rotary Club, officially handed over to the Arthur Webster Hospital on May 28 a new wing built with funds collected by the Club.

AT the eighth annual conference of the Associated Pharmaceutical Societies of South Africa, held at East London, at Easter, Mr J. H. Sutton, of the Transvaal, was unanimously elected chairman for the year 1930-31. Mr. H. R. Hudson, of Natal, was unanimously elected vice-president.

CERTIFICATES of naturalisation have been granted to Frances Mary Mackie (or Buchanan), chemist, 35 Leader Street, Riddrie, Glasgow; K. P. Pajor, surgical appliances merchant, 97 Darenth Road, Stamford Hill, London; J. P. Kies, medical practitioner, Station Place, Letchworth, Herts.

IT is announced in "The Times" of June 4 that Lord Brotherton (Brotherton & Co., Ltd., manufacturing chemists, Leeds) has decided to present his private library to the nation through the University of Leeds, in the new building of which it will be housed. In addition, Lord Brotherton, proposes to give the sum of £30,000 for maintenance. It is stated that the catalogue extends to thirty volumes.

Observations and Reflections

By Xrayser III

Pharmacopœia Revision

appears to be proceeding on rational lines, and the latest report of the Pharmacopœia Commission (*C. & D.*, June 7, p. 690) enables us to form intelligent anticipations of what the next issue of the national medicine standard will be like. Such omissions as have been agreed upon can well be spared, and it is interesting to learn that the space thus made is to be utilised for new matter of especial importance, in view of the directions in which medical progress is tending. Biological tests seem likely to be prominent in the new work, while the testing of vitamins is to receive its due share of attention. It will be a great advance to have a uniform style of expressing throughout the Pharmacopœia, also to have nomenclature brought into line with that of other standard works, but it is a wise reservation that in effecting such agreement conflict with established usage in this country is to be avoided. After all, the country where a Pharmacopœia is to be used mainly ought to have first consideration when world agreement is difficult to effect, and the British Pharmacopœia must be regarded as a work produced primarily for the convenience of British peoples.

The Union Evidence

submitted to the Departmental Committee (*C. & D.*, June 7, p. 700) has a pompous tone for which we probably make excuse on the ground of the juvenility of the organisation presenting it. Credit must however, be given to those who drafted it for the sensible remarks and suggestions made on the subject of storing and selling poisons. Apart from this, the Union Executive seems to have been in marked dread of a Government department assuming control of pharmaceutical affairs as the central authority. Its supplementary memorandum furnishes remarkable evidence of this, and shows the extreme lengths to which a feeling of something akin to desperation may drive advocates for the continuance of a threatened state of affairs. Some of the assertions in the memorandum may not unfairly be described as rash, particularly those contained in the concluding paragraphs, and the whole production is in marked contrast with the more logical and better balanced case presented by the Council of the Pharmaceutical Society.

A Further Stage

in the direction of rationalising the relations between prescribers and dispensers of medicine for insured persons is indicated by the arrangements proposed in the new draft Regulations (*C. & D.*, June 7, p. 703). In future, apparently, the cost of any disallowed substance or article is to be recovered if possible from the doctor who prescribed it, the chemist who supplied it being paid in full without question. Disallowance in the extreme is indicated by the provision that doctors are even to be penalised when substances which are not recognised as drugs are ordered as ingredients of preparations of which the other ingredients are drugs. But we are still left in the dark as to what may or may not be regarded as a drug, the Ministry of Health being apparently indisposed to commit itself on this very important point.

At this Time

of the year the apprentices, at any rate the more ambitious of them, are looking forward to the scholarship examinations in the hope that they may make a good entrance on their pharmaceutical career. The training of the young folk is vastly different from the haphazard methods—rather, want of method—prevailing in my youth; but whether there is an improvement in the finished pharmacist I am often in doubt. Your instalment of the Commercial Compendium last week has thrown back my mind to one of the earliest episodes in my apprenticeship. It is the note on soda. My master was a man who was wishful for his lads to do well, but made no pretence of being able to teach them either chemistry or botany. His knowledge of counter work, dispensing and practical therapeutics, as well as dentistry, combined to make him a person highly esteemed by his friends and customers. His mind was eminently practical, and he approached the training of his pupils in his own fashion. The first step in my training was to make myself acquainted with all the names on the bottles and drawers, and to ascertain from my own observations the characters, including odours, of all their contents. A piquant recollection is my first sniff at the bottles of pulv. euphorbii. One of the most tiresome, as it was also one of the first, snags in the way of my education in pharmaceutical chemistry was the name soda. I knew soda of which my mother put a pinch in the teapot. I knew soda which the maids bought for cleaning purposes, and I also knew the soda the workmen used in the works of the neighbourhood; all these, I knew, were different. For weeks I wrestled with the subject as to which was which and in what the differences lay. My senior (there were two apprentices) was as ignorant as myself, and, I am afraid, mightily indifferent about so trivial a matter. The clearing up of the matter was accomplished, but not easily, because the shop library was not a large one. Fortunately two of the three books it contained were immensely useful, and of these one was Royle's "Materia Medica and Therapeutics"; this was the foundation of my preliminary pharmaceutical training. I doubt if there is a modern work quite so suitable for the present day.

There is Need

for intensive consideration of the training of apprentices. The poor results shown in the professional examinations are not confined to this country. In the United States inquiries were recently set on foot to ascertain what were the causes of the numerous failures in the State examinations in the hope that a questionnaire might elicit something like a concensus concerning at least one factor. The outcome was, in my opinion, wholly unsatisfactory. There is something wrong somewhere—either in the material, or in the way in which it is handled in the educative processes, or in the final testing of it. One may have suspicions as to where the fault lies. This, however, is not the place to discuss the matter properly. There is one observation I think I must make here as the carefully arrived at result of a few years' cogitation. Our apprentices, our students, rely too much upon the teaching machinery provided for their examinations, and have too little regard for equipping themselves—I mean themselves equipping themselves—for real usefulness at the counter where their career and success have to be found. There is a want of keenness to know, of a curiosity to achieve useful knowledge. A pharmacist is not worth much if he has not a living curiosity. He must not be frightened into a blank stare when a customer asks him if he can obtain some glucinium for him, and he must be quick to produce the right kind of soda with instructions when it is required. The young men, and young women, require classes for mutual help where they can bring their difficulties and elucidate them without the assistance of their teachers. Mutual instruction classes would be immensely serviceable for a proper training in the craft of pharmacy. The demise of the assistants' associations, those at which papers were read, is something to deplore.

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Editorial Articles

Medical Research Report

THE latest report of the Medical Research Council, covering the year 1928-29 (Cmd. 3496; Stationery Office, 3s.) has points of interest not ordinarily found in the publications of this body. We have previously intimated that for those of our readers —and we trust they are numerous—who regularly peruse the quarterly " Progress of Pharmacy " section of THE CHEMIST AND DRUGGIST a detailed study of these reports is unnecessary, for the obvious reason that they are in the main bare summaries of the work done during a given yearly period under the auspices of the Council. The present report, however, commences with a thoughtfully, and at times almost brilliantly, written summary of work done during the past five years, with occasional glances at work dating from an earlier period. Attention is called, in the opening sentences of the report, to the fact that the Council has completed fifteen years' work. The particular importance of the Council's activities lies in the fact that it is the body responsible under the Therapeutic Substances Act, 1925, and its Regulations, for the provision of standards. Standard products have been supplied from the Council's Institute, not only to the British Dominions, but also to the official organisations of various foreign countries. Further, the Institute has become the recognised centre for the provision of international standards for various hormones and drugs. The full list of the national biological standards required by the law and at present maintained at the Institute is as follows: diphtheria antitoxin, tetanus antitoxin, antidysentery serum (Shiga), tuberculin, insulin, pituitary posterior lobe, arsenobenzene (salvarsan), novarsenobenzene, and sulpharsenobenzene. All these are based on the international standards, of which those for tuberculin and insulin were, indeed, prepared at the Institute. The international standards now held there for maintenance and general distribution are those of insulin, sulpharsenobenzene, digitalis, and strophanthin (ouabain), and, in the absence of any large supply of the international standard for pituitary substance (posterior lobe), the British national standard has been widely in request from other countries. The report points out that the new British Pharmacopœia may require biological standards for remedies to which the Therapeutic Substances Act has

not been applied, and for which its machinery may be unsuitable. From a brief discussion of this topic the report proceeds to a lengthy passage on virus diseases. No method is yet obtainable which applies uniformly to all kinds of virus. The method of Jenner, for instance, has not, so far, been found applicable to other virus diseases. The alteration in the character of the virus in the tissues of the calf seems to be irreversible, whereas in the other viruses that have been studied the diminution in virulence that is obtained by propagation in the bodies of animals other than the customary host is not an irreversible change. An entirely readable discussion of possible reasons why all virus diseases cannot be similarly controlled follows. It is pointed out that, in the case of the fowl plague virus, the addition of the right amount of immune blood fluid is far from being a chemical union, and that dilution with water makes the mixture again virulent. Again, the observation that a virus is wholly contained within the white corpuscles of the blood is found to be subject to puzzling exceptions. The concluding portion of the introductory section is largely devoted to a discussion of the difficulty of obtaining men of the right type for this highly specialised work. The scarcity of such men, in the view of the Council, has two main causes. One is the fact that in a career of this type a man is ranked neither as a physician nor as a physiologist (or pathologist). The other factor is absence of stability of position and a reasonable remuneration. The initial difficulty of obtaining men with the right mental outfit for this kind of research is supplemented by exposure to a double temptation:—

"Upon the clinical side he is under continual temptation to exchange the present uncertainty of promotion and ultimate reward in scientific clinical work for the relative certainties of professional practice. As a practitioner he will have the certainties and pleasures of daily usefulness in exchange for the uncertainties and common disappointments of the research life. As a practitioner he will have fresh human interests and many new friends in exchange for the relative obscurities of the laboratory and ward. Brilliant success in research, even if measured by high international standards of value, will bring him at best a moderate fixed salary. But moderate ability combined with good luck in professional practice may make him a rich man. The second temptation comes from another side but it is equally strong. It is the temptation to leave clinical research for purely laboratory work in one of the recognised and well-organised sciences; which do at least offer relative certainties of fair promotion, and to look for advancement along the ordinary lines of an academical career in the University world."

This consideration is well put; and it leads the Council to three apposite conclusions. In the first place, the experiment of providing workers of proved capacity for clinical investigation with proper resources and the right conditions for using them has proved to be an unqualified success. Secondly, except among the very rare people with inclination and private means, there is not likely to be a steady recruitment of young men of ability until there are at least a few stable positions in sight, positions unhampered by burdens of teaching and administration. Thirdly, the Council hopes to make a beginning in the solution of this problem by the clear statement, made in the report, of its intention to do everything in its power to encourage scientific and direct study of diseases in man.

Japanese Peppermint Oil Syndicate

THE lack of demand and the low prices to which many commodities have fallen recently has drawn the attention of a small group of speculators in Mincing Lane to the position of Japanese dementholised peppermint oil. For a considerable period the market had remained more or less stagnant, so far as trade demand was concerned and from last October prices began to decline from about 6s. per lb. to 3s. 10d. c.i.f. in the early part of the year. It was recognised in certain quarters for some time past that this low level of prices called for serious reflection on the part of importers and dealers, and the interest which for some time previously had been flagging, appeared to centre on the point as to how far prices could decline. Once having made up their minds on this score, this small group of buyers decided to operate extensively on the spot and shipment market. They were assisted in this by the fact that considerable quantities were arriving in London, particularly in March, and as there was practically no trade demand, the syndicate were able to eventually secure several thousand cases at comparatively low prices, say from about 4s. per lb. and upwards. The generally accepted reason for this "cornering" would appear that the "syndicate" is of the opinion that for some time past Japanese peppermint oil has been sold at an uneconomic price and well below the cost of production, and that buyers would be forced ere long to cover their requirements at a much higher level of prices, provided that the stocks and fresh importations were in strong hands, and not likely to be flung on the market. It is difficult to arrive at any definite figure in regard to the London stock, as apart from the quantity in public warehouses it may be assumed that a fair sized quantity is also held in private warehouses. Taking everything into consideration, a conservative estimation of the spot stock would place it at between 2,300 and 2,500 cases. As a fact a total of over 3,000 cases arrived in London between January and May. Of the spot stock, approximately four-fifths is said to be held by the "syndicate," and we understand that this holding is entirely off the market, and is not likely to be offered until the price has risen "very considerably." A figure of 7s. per lb. has been mentioned, but in a market of this character it would be absurd to fix a definite price. As far as Japan is concerned exporters seem quite satisfied, and as already stated, they have shipped large quantities during the first five months of this year, so much so that in April they were buying back on this market, and eventually the price was raised to 5s. 10d. c.i.f. in sympathy with the market here. There has been, however, a substantial decline since then to about 5s. per lb. c.i.f. Regarding the Continent, it would appear that neither Germany nor France is overstocked, and there is the possibility that they might be forced to come to this market for supplies in the first place should the high prices wanted by Japan continue over the next four months. There are two important points to be considered, viz.: (1) Will the Continent require oil in any quantity over the next four months. (2) Will holders of stocks, outside the "syndicate," in the event of such demand, hold for higher prices, or will they, with another crop not far away, be anxious to sell? This, in our opinion, is the crux of the situation. The latest cabled reports state that "the new crop sowings are reported as 20 per cent. less than that of last year, and should the weather be at all unfavourable it will probably result in a poor yield." This, of course, refers to the Sambi crop, as the Hokkaido crop, which produces about 80 per cent. of the peppermint grown in Japan, is cut in September, and on this the main interest is centred. It now remains to be seen whether the efforts of the syndicate to secure higher prices will be successful.

The Departmental Committee's Report

By W. Marshall Freeman

The following article has been written at our request so that our readers may have the views of a legal authority, who is in the position of a dispassionate observer, yet fully appreciative of the needs of pharmacists in business

I AM certainly very much interested in the report—and for several reasons. Although I have no longer any direct concern in pharmacy (having given it up more than a quarter of a century ago), I have naturally never lost personal interest in the ancient and honourable profession or craft, and in all that pertains to its stability and welfare and to the prosperity of those who follow it. But, apart from that personal interest, there are other reasons why I am very willing to respond to the request for a review or criticism of the report. The legal profession has become profoundly concerned of late at the disclosures made in the Law Courts, and at the warnings given by the Lord Chief Justice of England and other eminent judicial personages in regard to the modern trend of departmental legislation—the "new despotism," as it is called. Anything touching that subject (whatever commercial or other interests it may affect) interests me at once. We are living in hectic times; and the average citizen is far too busily engaged in making a living—in keeping his head above water in many cases—to be able to follow at all closely what is going on in this way. True, he feels a pinch now and again, and cries out. Moreover, the average member of Parliament is little better circumstanced, for he is now tied so tightly to the party wheel, and is so buffeted hither and thither by the claims of this or that section of his constituents, that his conduct generally is far too erratic to be of any use as a guide to those who seek to understand and appreciate the effect of any projected legislative change. It is only in the quietude of the Temple and the other Inns of Court, where all the materials are at hand for investigation and comparison, and where questions are discussed quite fearlessly and without bias, that the real meaning and effect of many proposed reforms can be discovered and made known.

In legal circles reports of this character are always scanned very closely for indications of any changes affecting procedure and practice. The poisons and pharmacy report at once attracted attention, and the "Justice of the Peace" deals with it quite impartially, expressing satisfaction with the proposed abolition of the old procedure for recovering penalties in the County Court:—

"One recommendation in particular is of interest to the legal profession. Under the Pharmacy Acts the illegal sale of poisons, the misuse of titles, and the carrying on of business ("keeping open shop") by unqualified persons are punishable in the County Court where the Pharmaceutical Society may sue for a statutory penalty of £5—neither more nor less. From time to time County Court judges have complained about being compelled to hear these claims without being allowed any discretion as to reducing or increasing the amount. The Committee propose to abolish this method of raising funds for the Pharmaceutical Society by making offences relating to the sale of poisons punishable on summary conviction before justices by a penalty not exceeding fifty pounds for each offence—the prosecution to be undertaken by the Poisons Board."

But in regard to the proposed new Poisons Board and the increased facilities for the sale and distribution of poisons, the "Justice of the Peace" is pointedly emphatic in its criticisms. After referring to the proposed removal of authority from the Privy Council to the Home Secretary, "who would inevitably be obliged to surround himself with a small army of officials, thus creating a new minor Government Department," and after commenting upon the proposed new powers to enable the Home Secretary to supersede the statute law and to override the Poisons Board, the writer goes on to say:—

"After all, the intervention of the Home Office can only be justified by the need for protecting the public (*a*) from the evils of 'dope' distribution, and (*b*) from the dangers of too loose a sale of dangerous poisons generally. So far as the latter object is concerned it is surely an anomaly to endeavour to control that by opening still wider the door for the sale of deadly poisons by any shopkeeper. Upon reading the provisions of the draft Bill on that topic, there would seem to be nothing to prevent anybody who keeps a shop from being a licensed seller of poisons."

Then follow the actual words of Section 16 of the Draft Bill (*C. & D.*, March 22, p. 362). The writer's comments on this Section are much to the point:—

"Reduced to simple language, this means that any person who keeps a shop where there is reasonable accommodation, provided that he is not a certifiable lunatic or a convicted criminal, is entitled more or less as of right to be entered on the list not as an 'authorised seller of poisons,' but as a 'seller of poisons'—an occult distinction the true inwardness of which would be difficult to discover, seeing that it involves the right to sell arsenic, nicotine and other deadly poisons in unlimited quantities; and so long as the person pays his annual fee and is not convicted of any offence against the Pharmacy Acts, 'or of any criminal offence which in the opinion of the court renders him unfit to have his name on the list' (subclause 6), his name is to remain on the list. It is a little difficult to believe that Parliament will ever authorise these startling changes, even as part of a general scheme for putting the distribution of poisons entirely under the control of the Home Office, where it is understood the experts are at their wits' end to know how to put a stop to the illicit 'dope' traffic."

Then follows a tribute to the high moral character of the pharmacist for which the Pharmaceutical Society and the "craft" alike should be grateful:—

"There is no reason to suppose that the pharmacists of the country are in any way concerned with that traffic. If they were, one would imagine that the Pharmaceutical Society would be in the best position to deal with it. Surely the restriction rather than the expansion of the poison-handling area would be the most direct way of dealing with 'dope'; and it might be thought that to restrict all poison distribution to a body of highly trained persons such as pharmaceutical chemists more closely than before would have been the safest pathway of reform to follow."

So much for the views expressed in the "Justice of the Peace." These views accord with legal opinion generally; and if it becomes necessary for the chemists of the country to fight for their interests, there is no doubt that they will find abundant sympathy and support among members of the legal profession.

With the views expressed, so far as they go, I find myself in complete agreement. But there is much more to be said. Let me confess at once that I am not in the least interested in the new Statutory Committee, a body designed to enable the Pharmaceutical Society to deal more effectively with its own domestic affairs. With that part of the report I am in no sense competent to deal. If I were practising as a pharmacist or if I were in any way directly concerned in the administrative and disciplinary arrangements of the Society, the position would be different. All that I would venture to say upon this part of the report is that whatever would tend to give added professional status to the pharmacist, or to enhance the value of membership of the Pharmaceutical Society, or to cleanse the profession from what is undesirable by giving any reasonably necessary disciplinary powers, would have my sympathy and support.

What I am concerned with is the other portion of the report, relating to the proposed Poisons Board, its composition and powers, as set out in the draft Bill which is attached as an appendix to the report. There are four points in particular that strike me, as one concerned, both judicially and as an advocate, in the administration of law to protect the community from every sort of danger, and the individual citizen from every sort of injustice. The four points may be formulated in four questions which I will deal with in order. The first question is this:—

What good purpose is to be served by transferring control of the classification and distribution of poisons from the Pharmaceutical Society to a Government Department?

Let us look at the reasons given for this change in the report itself, and see where it leads us. It is to be found in paragraph 13, and runs as follows:—

"The selection of the Home Secretary to be the Central Authority would appear to be justified on several grounds:—

(*a*) the Home Secretary, as the Minister responsible, in England and Wales, for the prevention of crime and all questions of 'Police,' is directly concerned in the control of the sale or supply of poisons and should, therefore, have the decisive voice in the making of rules which he has to administer;

(*b*) the Home Secretary is directly responsible for the administration of the Dangerous Drugs Acts, which are closely connected with the administration of the Poisons and Pharmacy Acts and embrace substances included in the latter Acts; and he is brought by the duties of that administration into close contact with the Pharmaceutical Society of Great Britain on many points;

(*c*) the Home Secretary acts on behalf of the Privy Council in the House of Commons in regard to all questions relating to the administration or amendment of the Poisons and Pharmacy Acts.

It is desirable that there should be uniformity in the administration of the law relating to poisons as between England and Scotland. Accordingly, it is contemplated that, as in the case of the Dangerous Drugs Acts, the Home Office will, by administrative arrangement and in consultation with the Scottish Office, act as the Central Authority for Great Britain."

It is impossible to read this without seeing at once that the whole idea underlying it is that the Home Office officials are intent upon securing control of every sort of poison, dangerous and otherwise, for the purpose of dealing with the illicit traffic in the class of drugs commonly known as "dope." There can be no other explanation. There is absolutely no reason, apart from the stopping of that illicit traffic, why the sale of everything else that is poisonous should be subjected to the same complicated and harassing supervision. It is well known that great evil is being wrought not only in this country but all over the world by the evil habit of drugging and "doping." Humanity at large in every nation needs to be protected against itself in this particular matter; we know that international efforts are being made to stem the evil and, if possible, root it out. Constant pressure is being directed on the Home Office by social welfare societies to this end. But is it necessary, in order to stop illicit sales of morphine, cocaine, heroin and a few similar drugs, that this gigantic machinery be constructed for the control of everything that can be brought within the description of "poison," "poisonous," or "dangerous?" That leads up to the second question I would propound thus:—

Why, if a Poisons Board is to be set up, should it not be composed of members of the Pharmaceutical Society with any necessary additions?

The Poisons Board proposed to be set up as constituted in the First Schedule is to consist of fourteen members, of whom six are Government officials, five only are pharmacists, and three are doctors representing the three great medical bodies. But the fourteen members may at the discretion of the Home Secretary be made up to eighteen—the additional four to be nominated by himself. That would mean ten Government officials as against eight pharmacists and doctors. There is no doubt that a Poisons Board is very much needed. The separation of the supervision of the sale of poisons from the other administrative work of the Pharmaceutical Society would be in every way an improvement. But the Board should consist in the main of pharmacists nominated by the Society—men who are intimately acquainted with the reasonable necessities of the community in regard to the supply of poisons, and who would know best how to regulate and control the sources of supply of such as are liable to abuse. To such a board of qualified pharmacists there might be added the three medical representatives, and three officials, one representing the Home Office (a "police" liaison officer), one the Ministry of Health, and a third the Ministry of Agriculture. The pharmacists on the Board would, in effect, be a subcommittee of the Council of the Society, fully competent to handle the whole matter, sufficiently advised and helped in all necessary official directions. That is the alternative to a new Government Department; and that is what I venture to hope Parliament and the country will insist upon. My third question is this:—

Why not protect the public and check criminality and carelessness by restricting instead of extending the facilities for the wholesale distribution of poisons such as arsenic and nicotine—the deadliest and most dangerous of all poisons?

The intervention of the Home Office in the sale and distribution of poisons has really been brought about as a result mainly of the development of the "doping" habit, and to a lesser extent as a result of the sensational poison trials in which arsenical weed-killer has figured so largely since the passing of the Poisons and Pharmacy Act, 1908, which introduced the evil system of allowing arsenic and nicotine to be sold by anybody, however ignorant and unqualified. It must be borne in mind that the Dangerous Drugs Acts, under which the sale of "dope" is controlled, only originated in 1920. There is no reason for any suggestion that pharmacists are in any way to blame for the development or encouragement of this evil; the traffic is carried on by foreigners and low-class degenerates who are not pharmacists at all. The average chemist is a steady honourable citizen not given to touching pitch of that sort; and so far as he is concerned the existing regulations are sufficient and more than sufficient to ensure that no extension or encouragement of that particular evil is likely to emanate from his direction. Surely it would be wise and economical to keep the sale of deadly poisons of every sort in the hands of qualified pharmacists under the control of the Poisons Board working under the Pharmaceutical Society, and thus keep the sale within a closely defined area.

My fourth question arises naturally from the foregoing:—

Why not inspect doctors' and hospital dispensaries as well as chemists' pharmacies and subject them to the same storage and other regulations?

To my mind the suggestion that the qualified pharmacist should be treated as being on a level with the unqualified storekeeper and be subjected to the same regulations as to inspection and supervision, whilst the medical man, the unqualified or half-qualified dispenser, the hospital nurse and the rest are free from any such indignity is little short of a public scandal. That such a suggestion should go forth in a report of this character only serves to emphasise (what is obvious to any disinterested outsider who reads the report) that the pharmacist is regarded as being of no importance—a mere shopkeeper, in fact, to be used as a convenient medium of distribution and a whipping-boy for every coroner or magistrate to flagellate at will. If pharmacists and their Society are content to sit down under this insult—well and good. From beginning to end this report tacitly assumes that the chemist and druggist is the only person in need of being harnessed. It might even be imagined that the Pharmaceutical Society and its members had been solely responsible for bringing about such a state of affairs in regard to the distribution of poisons in Great Britain that a complete reversal of all past policy had become imperative and that fresh legislation was necessary in consequence. There is absolutely no suggestion

of any provision for making the doctor more careful about the arrangements of his dispensary, the dentist and the veterinary surgeon may carry on as before. The minority report of Mr. F. W. Gamble deals with this anomaly in restrained but effective language, and I should imagine that if there is any life at all left in the Pharmaceutical Society, its new Council will surely brace itself up to protect the Society's members from the indignity that is now sought to be plastered on them. My own candid opinion is that there has been far too much bated breath and whispered humbleness in the attitude adopted to the world at large since Sir William Glyn-Jones left the front line, and the result may be seen in the present humiliating proposals. One wonders what Dr. Cox and the British Medical Association would have done in similar circumstances! Something in the nature of a medical earthquake would have been felt from one end of the country to the other. But in the pharmaceutical world it is all "Hush! hush!" and nobody dares to speak. It may therefore perhaps be permitted to an outsider to suggest that unless the Council can be roused to action it would be appropriate to revise the membership certificate by inscribing upon it, by way of candour for the benefit of newly elected members, the tragic warning, "Upon thy belly shalt thou go and dust shalt thou eat all the days of thy life."

Since the above was written, another influential legal review—the "Solicitors' Journal"—has published an article on the report, from which I take the following:—

"The Committee which was presided over by Mr. Mitchell-Innes, K.C., appear to have taken evidence from a great number of witnesses representing all sorts of conflicting interests, and the net results of its labours are proposals to divorce pharmacy from the sale of poisons, to replace the authority of the Privy Council in part by that of the Home Office, to set up a new 'Poisons Board,' and (strangest of all) to make it the business of every local authority to license for the sale of poisonous substances any and every shopkeeper who applies to be so licensed, with the sole proviso that such licence may be refused 'for any sufficient reason relating either to him personally or to his premises'—a proviso vague enough in all conscience, but one that should give the legal profession a good opening, seeing that there is to be a right of appeal against any such refusal to quarter sessions."

Commenting upon Section 16 as to "personal unfitness" to be a licensed seller of poisons, the opinion is expressed that, apart from criminality—

"there are other possible reasons relating to a man 'personally' that should suffice to prevent him from being licensed at all An habitual drunkard or a person who may have been in an asylum, for example, would hardly be a suitable licensee to sell poisons, and we may doubtless assume that a licensed victualler's premises would hardly be regarded as a desirable depôt for the storage and dissemination of poisonous substances. It is quite fair to adopt these assumptions, although the draft Bill leaves it all quite widely open. Parliament will certainly require, however, something very definite in the way of protection for the public if the sale of poisonous substances is to be thus widely extended."

The article concludes with the following significant warning that may well be digested by the whole pharmaceutical body:—

"As the Pharmaceutical Society are required to appoint a number of inspectors to carry out the duties placed upon the Society under the directions of the Privy Council, it is evident that there will be two sets of inspectors at work all over the country (except where, as indicated in the above extract from the draft Bill, the local authority can arrange for the Society's inspectors to act for both). This must of necessity involve a large expenditure of public money and the addition of a considerable number of inspecting officers to the existing staffs of local authorities. Parliament will certainly require to know what necessity there is for all this elaborate machinery to be set up whilst in the Pharmaceutical Society itself there exists an organisation which for more than half a century has been actively engaged in restricting the sale of poisons to persons qualified to dispense and distribute the same. It might have been possible by restricting instead of enlarging the opportunities for acquiring deadly substances and by increased stringency of powers vested in the Pharmaceutical Society to deal with any really serious features connected with the sale of poisons. The only direction in which during recent years the sale of poisons has become serious is in the use of morphine and other opiate substances. Might not that be checked by special means without all the elaborate legislation now foreshadowed? This, however, will be meet subject for discussion when the draft Bill actually comes before Parliament."

Let me sum up my conclusions upon the whole matter. I think it is quite possible—experience of bureaucratic methods gives abundant justification for this suspicion—seeing the width of the programme outlined in this remarkable "draft Bill" and the unlikelihood of Parliament being able to find time to devote to it in anything like its present shape—that an attempt will be made at the earliest convenient moment to "rush" a measure embodying the proposals that the draft Bill contains for the setting up of the new Poisons Board. To carry such a measure would be to accomplish all that officialdom would really be interested in. The Pharmaceutical Society and its domestic affairs might then be left to take care of themselves. Against any such possibility it would be well to be prepared. The decision of the Departmental Committee to limit their inquiry to matters directly or indirectly connected with poisons clearly points in that direction. In my judgment this inquiry ought not to have been a "departmental" inquiry at all. The very name implies that it is to be an inquiry departmentally controlled. The country is suffering in many directions at the present time from the doings of departmental committees which a gullible public and a subservient House of Commons are content to regard as independent and authoritative. An inquiry into "the Poisons and Pharmacy Acts" ought to have been an inquiry by a strong independent body before which departmental officials ought to have been called to give evidence, and upon which they ought not to have been sitting as adjudicators. To my mind the most surprising thing about the whole matter is that three representative pharmacists should have been found willing to sit as a hopeless minority upon a body charged to conduct an inquiry so vital to the interests of their profession. A firm and courteous refusal to be thus politely shelved would have effected far more in the public interest as well as in the interest of pharmacy as a profession than has been accomplished by this obliging effort to influence the Committee to a wise, just and practical conclusion upon the whole matter.

New Books

Cameron, A. T., & White, Frank D.—*A Course in Practical Biochemistry*. 8¼ in. by 5½ in. Pp. x+222, with four plates and twenty-three text figures. 8s. 6d. J. & A. Churchill, 40 Gloucester Place, Portman Square, London, W.1. [This course in practical biochemistry for students of medicine consists of a series of exercises selected for the purpose of training students in biochemical laboratory work, and the book is designed to be used in conjunction with a theoretical text-book in biochemistry. The contents fall into two sections; qualitative, and quantitative and clinical procedures, each section being divided into a number of exercises to be carried out—fifteen qualitative and eighteen quantitative determinations are included. One method only for each quantitative determination usually is given and the exercises selected are of gradually increasing difficulty. The appendices provide particulars as to reagents and materials, physico-chemical data and constants, first-aid information in case of laboratory accidents. The study of crystal forms under the microscope, of importance in many analyses, receives attention, and the four plates show photomicrographs (incorrectly called "microphotographs" in the text) of osazones, recrystallised amino-acids in their varying crystal forms, hæmoglobin and allied bodies, urea and uric acid crystals, respectively. The authors state with reference to the plates that such pictures are reproduced as a student might find in a microscopic field if he carries out the experiments himself. An index is provided. This book will be found of service by pharmaceutical students.]

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, June 12

BUSINESS continues of little importance in the pharmaceutical chemicals group, with a continued weakness in citric acid, tartaric acid, and cream of tartar, where owing to keen competition and lack of demand prices are being forced downwards. In crude drugs, buying continues hand to mouth; the medium and finer grades of tragacanth have been in better demand, and prices of these descriptions are dearer. Kordofan acacia has fluctuated considerably, but consumers have held off pending more stabilised prices. Menthol to arrive is offered at cheaper rates, and digitalis leaves are easier. In other Mincing Lane produce, moderate activity was noted in sugar, with but little change in prices, although considerable quantities of Cuban have been placed for shipment. Plantation rubber collapsed to the new low figure of 6d. per lb. on the spot in spite of a small decrease in home stocks, the weakness being due to poor returns of the automobile industry in America. Shellac was lower in all positions. The demand for industrial chemicals continues very light, with quoted prices unchanged, but in many instances they are being discounted. Present acetone prices are to remain in force until the end of the year. Bichromates of potassium and sodium are to be slightly reduced from the second half of the year. Formaldehyde continues very competitive; sodium acetate is slightly easier. Among the fixed oils, the bulk of the changes are in an easier direction, including coconut, cotton, groundnut, palm kernel, rape, soya, wood and acid oils. Palm oil has reached its lowest since 1908. American turpentine is firmer, and lubricating oils are easier. In metal products, mercury was quieter, and the various descriptions of pigments were dull.

Higher	Firmer	Easier	Lower
Linseed oil (forward)	Turpentine	Antimony	Acid oils
Tragacanth (medium seconds)		Citric acid	Bichromates
		Cotton oils	Cassia oil
		Cream of tartar	Coconut oil
		Digitalis leaves	Glucose (Eng.)
		Lubricating oils	Menthol (c.i.f.)
		Palm oil	Palm kernel oil
		Peppermint oil (Jp.)	Pimento
		Soda acetate	Rape oil
		White oils	Rubber
			Shellac
			Soya oil
			Wood oil

Cablegram

BERGEN, June 11.—The catch of cod since the opening of the season now amounts to 60,660,000, against 78,152,000 at the same date last year. The yield of steam-refined cod-liver oil is 77,000 hectol., against 90,157 hectol. at the same date last year. The market is quiet and the fishing at Finmarken is considered finished.

Crude Drugs, etc.

AGAR AGAR.—Kobe No. 1 is quoted at 3s. 9½d. c.i.f.; Kobe No. 2 at 3s. 6d. c.i.f.; and Yokohama, 3s. 8½d. c.i.f. The spot prices are unchanged.

ANTIMONY.—Chinese refined has remained unsettled, chiefly on account of the violent fluctuations in the price of tin. The undertone has been easier, with the spot quotation at around £27 per ton ex warehouse, and c.i.f. terms for shipment have fluctuated down to about £23. Chinese crude on the spot is quite nominal at about £22 10s. English refined is £46 to £46 10s., while other brands range from £42 10s. down to £40.

BALSAMS.—*Canada* is 4s. 9d. per lb. spot; *Peru* is 6s. 6d. and *Tolu* 3s. 9d. on the spot.

BELLADONNA LEAVES are scarce at 55s. per cwt. on the spot.

CADMIUM.—There seems to be a liberal supply waiting for disposal, although arrivals from the United States have fallen off. The receipts from Australia lately were fairly heavy and further consignments came to hand from Canada. However, the market is fairly well held on the basis of 3s. 8d. to 3s. 9d. per lb. for fair-sized lots on the spot.

CASCARA SAGRADA.—The landings in London during May were nil, and the deliveries nine tons, leaving a stock of 108 tons against 236 tons in 1929; landings to date have been 21 tons against nil, and the deliveries 76 tons against 57 tons in 1929.

CASCARILLA.—Quill is quoted at from 3s. 10d. to 4s. per lb. on the spot, and siftings at from 1s. 10d. to 2s. per lb.

CINCHONA.—The production of cinchona for the entire Netherlands East Indies during 1930 is estimated at 10,258,902 kilos, divided 8,954,902 kilos and 1,331,000 kilos between Java and Sumatra respectively. The estimates are based on the returns of 97 estates growing cinchona.

CLOVES.—Zanzibar are quiet but steady on the spot at 11¾d. per lb., with May-July quoted at 11½d. per lb. c.i.f., and sellers of August-October shipment at 11¼d. per lb. c.i.f.

The landings in London of Zanzibar during the week ended June 7 were *nil*, and the deliveries 175, leaving a stock of 1,463, against 1,776 in 1929, and 10,483 bales in 1928. The landings of Zanzibar in London from January 1 to June 7 have been 5,845, against 4,070 in 1929, and the deliveries 4,380, against 4,681 in 1929.

COD-LIVER OIL.—The Bergen market remains quiet, but as prices are considered very reasonable, and do not cover the cost of production, a further decline is not looked for. The Finmarken fishing is now finished, and the yield from this section only amounted to 3,486 hectol., against 8,838 hectol. at the same time last year. In London the market is reported as steady, and in some quarters the low price is attracting more attention, and a few contracts have been placed for autumn delivery. Prices remain unchanged at from 104s. to 106s. per barrel c.i.f., for finest new non-freezing steam-refined Norwegian oil.

DIGITALIS LEAVES are easier at 48s. c.i.f. for good greens.

DRAGON'S BLOOD.—The landings during May were 24 cases and the deliveries seven cases, leaving a stock of 207, against 109 last year; landings to date have been 117, against eight last year, and the deliveries to date (May 31) 47, against 56 last year.

GALLS.—Small sales of blues have been made: nominal values are 66s. 6d. for blues, 67s. 6d. for greens, and 52s. 6d. for whites.

GLUCOSE is 1s. per cwt. cheaper for English water-white, which is offered at 20s. per cwt. for June-August delivery ex-store London. American for June-August delivery is 21s. net ex-store London.

GUM ACACIA.—The market still remains in a very sensitive condition, and has fluctuated several times this week. At one period shippers advanced their prices to 75s. 6d. per cwt. c.i.f., but subsequently there was a sharp decline to 69s. c.i.f. for June-July shipment. Practically no interest however is being shown by consumers, as they feel that the market is being manipulated both here and in the Sudan. It would appear that there is likely to be very little demand until values have been stabilised on a lower plane. On the spot Kordofan cleaned is quoted at 75s. and natural sorts at 72s. 6d.; Talha is 30s. c.i.f. and 42s. 6d. on the spot; Persian so-called insoluble Shiraz cleaned is neglected at 35s. c.i.f. for No. 1 grado f.a.q.

The landings during May were 2,232 packages and the deliveries 2,032, leaving a stock of 4,476, against 5,467 last year; the landings to date (May 31) have been 10,791, against 9,854, and the deliveries to date 8,200, against 9,576 last year.

IPECACUANHA.—The landings in London of all descriptions during May were 60 cwt. and the deliveries 17 cwt. Official Colombian sources state that exports of ipecacuanha to all countries during the last three years were as follows: 1927, 37 metric tons ($51,135); 1928, 14 m. tons ($15,896); 1929, 19 m. tons ($32,476).

MENTHOL is slow of sale at 15s. per lb. for Kobayashi-Suzuki, and for five-case lots this price might be shaded; for shipment 14s. 6d. c.i.f. is quoted.

MERCURY.—The home trade demand over the holidays was extremely restricted, but the undertone has continued firm, while the quotations of the Combine have been retained as before, ranging from £22 5s. to £22 2s. 6d. net per bottle for spot lots. Outside sellers are asking £22 to £22 5s. net, but the quantities offering are apparently not large. The controlled f.o.b. price stands at £21 15s. net.

MYRRH.—There were no arrivals in London in May, while the deliveries reached the large total of 154 packages (according to the London drug statistics). Stock is now reduced to 20, against 215; landings to date (May 31) have been 20, against 143, and the deliveries to date 199, against 60 last year.

PEPPER has been quiet. Singapore is 10¾d. per lb. on the spot, with June-July shipment at 9¾d. c.i.f. Lampong is 10¾d. spot. Sales for shipment include May-July at 10¾d. to 9⅞d. c.i.f., and August-October at 9⅛d. to 9d. c.i.f. Tellicherry is 11¼d. spot, and Alleppy 11d. per lb. spot. White Muntok is quiet at 1s. 2d. spot, with sales afloat at 1s. 1¼d. to 1s. 1½d., and near steamer at 1s. 1½d. c.i.f., also May-July shipment at 1s. 1¼d. to 1s. 0¾d., and August-October at 1s. 0⅛d. c.i.f.

PIMENTO is easier at 8d. per lb. on the spot. For July-August shipment 72s. 6d. c.i.f. is quoted, with sellers of August-October at 65s. c.i.f.

The executive of the recently-formed Jamaica Pimento Growers' Association (says the "Times" Kingston, Jamaica, correspondent) has issued a somewhat long message to pimento producers on what the organisation's directors regard as the serious state of the market. It is such that there is reason to believe that growers' interests will be sacrificed in the marketing of their coming crop unless immediate steps are taken to counteract the tendency towards unremunerative prices.

RUBBER.—The market has heavily declined since our last, and has fallen ⅝d. per lb. on the week. The depreciation in value is very severe, and amounts to practically 10 per cent. on present prices. The reason for this fall is principally due to the heavy liquidation of the near positions, combined with the fact that consumers are generally indifferent to present low prices. Towards the close prices somewhat rallied, and were ¼d. per lb. from the worst. Restrictive measures, on a much larger scale, are hinted at by the leading producers, both here and in the Netherlands, and the future trend of the market is being watched with considerable interest by the trade in general. Arrivals last week totalled 1,765 tons, whilst deliveries were 1,347 tons, showing a further increase of 418 tons in the stocks. The London stock now stands at 77,616 tons, against 31,635 tons at the corresponding period last year. The Liverpool stock now stands at 25,320 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and June, 6⅛d.; July-September, 6¼d.; October-December, 6½d.; January-March (1931), 6¾d. per lb.

SEEDS.—Markets are quiet and unchanged. ANISE.—Spanish is 57s. 6d. and Russian 31s. per cwt. on the spot. CANARY.—Mazagan on spot is 27s. 6d.; Tangier is 26s. 6d., and Morocco (f.a.q. 4 per cent.) 25s. 6d. on the spot. CUMIN.—Malta is 70s. for sifted and f.a.q. 65s. spot. Morocco is 57s. 6d. spot. New crop is quoted at 50s. c.i.f. FENUGREEK on spot is offered at 18s., and for June-July shipment 15s. 3d. c.i.f. is quoted. CORIANDER on the spot is 7s. 9d. to 8s., and for shipment 9s. 6d. c.i.f. is quoted. CARAWAY.—Dutch has been sold at 37s. 6d. on the spot. DILL.—Indian (11 per cent.) is 21s. 6d. per cwt. on the spot. MUSTARD.—English is quoted at from 26s. to 31s. pe rcwt., according to quality.

SENNA.—The landings during May were 415 packages and the deliveries 299 packages, leaving a stock of 2,510 against 1,602 last year; the landings to date have been 1,677 against 1,290. and the deliveries to date (May 31) 1,226 against 1,142.

SHELLAC is cheaper at 120s. per cwt. on the spot for usual standard orange TN; fine orange is 145s. to 230s., pure button 155s. to 157s. 6d., and AC cakey is 132s. 6d. To arrive, sales of June-July shipment have been made at 108s. to 100s. c.i.f. Sales for delivery include August at 113s. 6d. to 114s. to 109s., and October at 118s. 6d. to 108s.

TRAGACANTH.—More interest has been shown, especially for the medium and finer grades, prices for which are from 20s. to 30s. per cwt. higher all round.

The landings in May were 1,525 and the deliveries 1,119, leaving a stock of 13,325, against 11,405 last year; the landings to date have been 6,612, against 8,876 last year, and the deliveries to date (May 31) 4,064, against 5,489 last year.

WAX (VEGETABLE).—Japanese is slow of sale at 70s. per cwt. on the spot, and for June-July shipment sellers quote 60s. c.i.f.

Essential Oils

PRICES still show a downward movement. Star anise is easier on the spot owing to reduced c.i.f. offers, with demand quiet. Italian citrus oils are easier, and West Indian sweet orange is quoted lower. Cedarwood is firm. Ceylon citronella is lower on the spot and to arrive; Java is easier but prices are steady. Geranium oils are weak. American peppermint and wormseed are weak and easier to arrive.

ANISE (STAR) is slightly easier on the spot at 5s. in tins and 5s. 3d. per lb. for leads, due to lower c.i.f. quotations at 3s. 3d. for leads and 3s. 1½d. in drums towards the end of last week. "Red Ship" for July-August shipment is now offered at 3s. per lb. c.i.f. in cases. Spot stocks are still rather low, but demand is small.

BERGAMOT is quoted at from 10s. 3d. to 11s. per lb. spot, and at from 9s. 9d. to 10s. 9d. c.i.f. according to seller and quantity.

CASSIA.—80-85 per cent. c.a. is quoted at 3s. 9d. per lb. on the spot, and to arrive 3s. 3d. to 3s. 4½d. c.i.f., though a bid of 3s. c.i.f. would probably be accepted.

CEDARWOOD is firm at about 1s. 9d. per lb. spot, and to arrive 1s. 8d. c.i.f. is quoted.

CITRONELLA.—Java is quoted at about 2s. 4½d. per lb. spot, and to arrive May shipment at 2s. 4d. c.i.f., with more distant positions at 2s. 5½d. to 2s. 6d. per lb. c.i.f. The market in Java rules firm, and reports indicate that during the coming months of the present year exports will show a decrease. Ceylon is lower on the spot at 2s. 2d., and to arrive at 1s. 11d. to 2s. c.i.f.

GERANIUM.—Bourbon is again lower at 17s. 3d. per lb. spot, and to arrive at from 16s. to 16s. 6d. c.i.f. Algerian is weak at 16s. per lb. spot, and at 15s. 6d. per lb. c.i.f. to arrive.

GINGERGRASS on the spot is quoted at 7s. 6d. per lb., and to come forward at 7s. 3d. c.i.f.

LEMON.—Sicilian hand sponge-pressed is weak at from 4s. 6d. to 4s. 9d. per lb. spot. and at 4s. to 4s 8d. per lb. c.i.f., according to seller. Machine-made is quoted at 4s to 4s. 5d. per lb. spot, and to come forward at from 3s. 10d. to 4s. 4d. c.i.f.

LEMONGRASS is quoted on the spot at 2s. 8d. per lb., and to arrive at 2s. 7d. to 2s. 7½d. c.i.f.

ORANGE.—Sicilian sweet and bitter is about 10s. 3d. per lb. spot and 9s. 3d. to 10s. per lb. c.i.f. is quoted. West Indian sweet is easier and without call at from 8s. 9d. to 9s. per lb. spot, and 8s. per lb. c.i.f.

PALMAROSA is without any interest at 9s. per lb. spot in quantity.

PATCHOULI is unchanged at 17s. 6d. per lb. c.i.f., and 18s. per lb. spot for Singapore.

PEPPERMINT.—Japanese dementholised is quoted on the spot at 5s. per lb. for Kobayashi-Suzuki, and to come forward at 5s. c.i.f. for June-July shipment, and 5s. 3d. c.i.f. for July-August. American natural tin oil is weak, and is quoted at 12s. 6d. per lb. spot, and at from 12s. to 12s. 3d. c.i.f., drums 3d. less. H.G.H. on the spot is 18s.

SASSAFRAS.—Some business has been passing in sassafras recently, and the spot price is at from 5s. 3d. to 5s. 6d. per lb., and to come forward 5s. 3d. c.i.f. for genuine natural oil.

SPEARMINT to come forward is quoted at 17s. per lb. c.i.f. Spot prices range from 18s. 6d. to 19s. 6d. per lb. according to seller.

WORMSEED is very weak at 11s. 3d. per lb. c.i.f., with spot sellers at 11s. 6d. per lb.

The following arrivals have taken place from the countries indicated during the period June 4 to June 10 (inclusive):—Bergamot (It.), 4 cs.; caraway (Ger.), 1 cs.; citronella (Fr.), 4 dm.; lavender (Fr.), 2 cs. 2 dm.; lemon (It.), 6 cs.; palmarosa (Java), 1 dm.; peppermint (U.S.) 3 cs., (Jap.) 25 cs.; rosemary (Fr.), 1 dm.; undescribed (Ger.), 1 cs. (Fr.) 6 cs.

Pharmaceutical Chemicals, etc.

CONTINUED weakness in citric and tartaric acids and cream of tartar is reported, with keen competition and lack of demand forcing prices down. Other items are about unchanged on quotation, with business of little importance.

ACETANILIDE continues to be quoted at 1s. 4¾d. to 1s. 6d. per lb., as to quantity, for B.P. crystals and powder.

ADIPIC ACID is steady, with inquiry sustained: forward delivery, ton lots, 1s. 3d.; 5-10 cwt., 1s. 4d.; two-cwt. casks, 1s. 5d.; one-cwt. kegs, 1s. 6d. per lb., carriage paid, for edible quality.

AMIDOPYRIN shows no improvement in demand, with quoted rates easy; crystals, five cwt., 12s. 9½d. up to 13s. 3½d. per lb. for small parcels; powder, 1½d. per lb. more.

ASPIRIN continues subdued, with quoted rates for all markets unchanged; home trade, 2s. 9d. to 2s. 11d. per lb., as to quantity; export to Colonies and British Possessions, ten cwt., 2s. 8d. up to 2s. 9½d. per lb. for small parcels;

export to other destinations, about ¾d. per lb. more. Home and Continental makers quoting level throughout.

BARBITONE remains dull and is easy as quoted from 7s. to 7s. 6d. per lb., as to quantity.

BENZALDEHYDE is steady but not in much call: quantities, in carboys, about 2s. per lb.

BENZOIC ACID (B.P.) is moving fairly well, with prices about steady: quantities, 2s.; smaller parcels, about 2s. 1d. per lb., ex store.

BENZONAPHTHOL is unchanged on a slow market as quoted at 2s. 10d. to 3s. per lb., as to quantity.

BISMUTH SALTS.—Prices for carbonate at 6s. 6d. to 7s. 3d., and for subnitrate at 5s. 6d. to 6s. 3d. per lb., as to quantity, are unchanged.

BROMIDES.—For the rather limited number of smallish orders there is keen competition: dealers quote ammonium, 1s. 9d.; potassium, B.P. crystals, 1s. 5d.; granular, about 1s. 5d.; sodium, B.P., about 1s. 8d. per lb. for quantities; home makers' sales prices are competitive.

CALCIUM LACTATE is steady, although quiet: quoted from 1s. 1½d. to 1s. 3d. per lb., as to quantity.

CHLORAL HYDRATE is steady as quoted by home makers at 3s. 1d. to 3s. 4d. per lb. as to quantity of duty-paid crystals; foreign, on spot, 3s. 6d. per lb.

CITRIC ACID (B.P. crystals).—The demand continues well below normal and the tone throughout is still unsteady: foreign on spot is now down to at least 1s. 6d. to 1s. 6¼d. per lb., less 5 per cent. for quantities. English makers quote 1s. 7d. per lb., less 5 per cent. discount.

CREAM OF TARTAR shows a further reduction in spot prices for foreign powder, with round about 93s. to 94s. per cwt., less 2½ per cent., being quoted; business remains light for the time of year. English makers quote 94s. per cwt., less 2½ per cent.

CREOSOTE (B.P.) is unchanged on a slow market: quoted from 1s. 8d. to 1s. 9d. per lb. as to quantity.

CREOSOTE CARBONATE remains dull, with dealers offering spot at about 5s. 9d. to 6s. 3d. per lb. as to quantity.

GUAIACOL CARBONATE is offering on spot at about 4s. 4d. to 4s. 8d. per lb., with business slow.

HEXAMINE is unchanged: Convention prices are quoted at 2s. 2¾d. to 2s. 4d. per lb., while the business is put through at about 1s. 10½d. to 2s. per lb. as to quantity.

HYDROQUINONE is one of the few fairly good markets and prices are steady as quoted at 3s. 7¼d. to 4s. 5d. per lb. as to quantity.

LACTIC ACID (B.P.) is quiet, and controlled prices are not easily obtained: quoted at 1s. 11d. for ton lots up to 2s. per lb. for two-cwt. lots, in carboys; in jars, one penny per lb. extra.

METHYL SALICYLATE (B.P.) is a steady but not very busy market: quoted at 1s. 3d. to 1s. 5d. per lb. as to quantity.

METHYL SULPHONAL is easy on a flat market: quoted from 12s. 7d. to 13s. 10d. per lb. as to quantity.

PARAFORMALDEHYDE continues weak as quoted; business is limited: 100 per cent. powder, 1s. 7d. to 1s. 8d. per lb. as to quantity.

PARALDEHYDE is competitive, with business small: quoted from 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

PHENACETIN.—Convention quoted prices are being discounted in most quarters, with business restricted in volume: quoted from 3s. 8d. to 3s. 11d. per lb. as to quantity, with powder 1½d. per lb. more.

PHENAZONE is easy as quoted at controlled prices of 6s. 11d. to 7s. 3½d. per lb. as to quantity.

PHENOLPHTHALEIN is unchanged on a quiet market: quoted from 5s. 11d. to 6s. 1½d. per lb. as to quantity.

POTASSIUM PERMANGANATE (B.P.) is meeting with the usual small business: quantities in drums, 5½d.; small lots, 6d. per lb.

RESORCIN continues steady but quiet on spot at 2s. 11d. to 3s. 2d. per lb. as to quantity.

SALICYLIC ACID (B.P.) is firm at home makers' prices of 1s. 5d. to 1s. 8d. per lb. as to quantity.

SALOL is a slow item, but prices on quotation are holding at 3s. 7½d. to 3s. 10½d. per lb. as to quantity .

SODIUM SALICYLATE (B.P.) is unchanged for all markets; business is reported as being slow: home trade, powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; and less, 2s. 2d. per lb., with crystals one penny per lb more. Export prices f.o.b. London or Continent, powder, two tons, 1s. 10¾d. up to 2s. 0¾d. per lb. for small parcels, with crystals one penny per lb. more.

SULPHONAL is easy, with business light: quoted from 10s. 1d. to 11s. 2d. per lb. as to quantity.

TANNIC ACID (B.P. *leviss*) is unchanged, with the spot quotations at 2s. 9d. to 2s. 11d. per lb. as to quantity.

TARTARIC ACID (B.P. crystals).—There is little of interest to report here; business has remained slow, with foreign on spot quoted at about 1s. 1¼d. per lb., less 5 per cent., and probably a shade less would be taken for large quantities. English makers quote 1s. 1¾d., less 5 per cent. discount.

THYMOL is a dull market: synthetic fine white, five cwt., 8s. 9d.; small parcels, up to 9s. 8d. per lb.

VANILLIN has been very quiet of late and prices remain competitive: ex clove oil, about 14s. per lb., in cwt. lots; ex guaiacol, 13s. 6d. per lb., in cwt. lots; lower prices in both cases for large quantities.

Industrial Chemicals, etc.

London, June 11.

THE dull markets reported for some weeks past continued over the holidays, the demand being exceedingly light in most directions. Quoted prices are unchanged, but in many instances they are being discounted.

ACETIC ACID is quiet, but prices are unchanged: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE.—At a meeting held in London last week it was decided that the prices now current shall remain in force until the end of this year. The schedule, therefore, will continue as follows: Ten-ton lots, £71 10s.; five tons and under ten tons, £73 10s.; one ton and under five tons, £76; under one ton, £80, net per ton, ex wharf, London, Liverpool, Hull and/or Leith, 90-gallon drums free.

ARSENIC.—The demand was slow, but the tone was fairly steady, with Cornish agents asking £15 15s. to £15 17s. 6d. f.o.r. mines. Mexican high-grade is priced at about £16 c.i.f. Liverpool.

BICHROMATES.—British makers of bichromate of sodium and potassium, continuing their price arrangements with the other world makers, have decided to reduce prices for the second half of this year by ¼d. per lb. These, from July 1 to December 31, will be: sodium, 3⅜d.; potassium, 4⅛d. per lb., carriage paid buyers' works in U.K., packages free. The above are the figures for all orders not on contract, and the latter, for not less than 2½ tons, will benefit by the following discounts: From 2½ to 6 tons, 1 per cent.; from 6 tons to 25 tons, 2 per cent.; from 25 tons to 50 tons, 2½ per cent.; from 50 tons to 250 tons, 3½ per cent.

COPPER SULPHATE.—Export business continues small, while the market is now virtually out of season. Associated British makers ask about £24 10s. for casks, less 5 per cent. There is unabated keen competition by Continental makers in the export markets, with offers reported f.o.b. Antwerp at about £22 per ton.

FORMALDEHYDE continues very competitive: fair quantities of 40 per cent. by volume would be about £33 per ton, in casks, ex store.

LEAD ACETATE shows no further reduction on spot, but the market is still quiet: spot, brown, £37 2s. 6d.; white, £38 2s. 6d. per ton, in casks, ex store.

OXALIC ACID is moving fairly well, with prices quite steady: quantities, £32 per ton, ex wharf; spot parcels, 33s. per cwt., ex store.

POTASH CAUSTIC.—Convention prices for 88 to 92 per cent. solid on spot are unchanged: £29 10s. to £34 10s. per ton, in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM CARBONATE is showing but little life, and dealers' quoted prices are easy: 90 to 92 per cent., £23 10s. to £24; 96 to 98 per cent., £25 10s. per ton, in casks, ex store; less for contracts.

POTASSIUM PERMANGANATE is unchanged on a quiet but steady market: commercial quality, in two-cwt. drums, 5d.; smaller parcels, 5½d. per lb.

SAL AMMONIAC continues to show a fair business, with dealers' prices holding steady: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 12s. 6d. per ton, in casks, ex store, slightly less for contracts.

SALTCAKE is a good market, with supplies well booked up: in bulk quantities, 60s. per ton, delivered, for home trade.

SODIUM ACETATE is slightly easier, with spot parcels from £20 to £20 5s. per ton, in casks, ex store; market remains dull.

SODIUM CHLORATE is dull, with prices for quantities at £24 10s. per ton, ex wharf; spot parcels, from 3d. per lb., ex store.

SODIUM HYPOSULPHITE has been somewhat quieter, but prices are fairly steady: dealers quote pea crystals in one-cwt. kegs at about £15 per ton; commercial quality, £9 10s. per ton, carriage paid; makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM PRUSSIATE is a poor market, but dealers' prices are steady: quantities, 4¾d. to 5d.; small parcels, about 5½d. per lb., ex store.

SODIUM SULPHIDE is steady as quoted by dealers: 60 to 62 per cent. solid, £9 5s.; broken, £10 5s. per ton, in drums, ex wharf.

SULPHUR.—The position of the market is much as it was before being well under control: American 99 per cent. crude is £5 12s. 6d. to £5 17s. 6d. per ton, and Sicilian flowers £11 5s., refined ground £10, and roll £8 15s. per ton, all c.i.f. to arrive.

COAL-TAR PRODUCTS, ETC.—Carbolic acid crystals are dull and easy as quoted. Cresylic acid is showing a little life. Creosote oil is unchanged and very quiet. The market generally has been dull. ANILINE OIL, ANILINE SALT and BETANAPHTHOL continue unchanged. CARBOLIC ACID CRYSTALS continue dull and in poor demand: makers continue to quote at about 7d. per lb., carriage paid, or f.o.b. in drums with overcasks; crude carbolic 60's are easier at 2s. 2d. to 2s. 4d. per gallon, naked at works. CREOSOTE OIL continues unchanged for export at 4½d. to 4¾d. per gallon, in bulk quantities, f.o.b., with home trade quoted in the region of 4d. per gallon, ex works. CRESYLIC ACID is easy as quoted, with inquiry a little better: pale, 97 to 99 per cent., 2s. to 2s 1d.; refined, 2s. 8d. to 2s. 9d.; dark, 85 per cent., 1s. 8d. to 1s. 9d. per gallon, naked at works. NAPHTHALENE continues quiet and unchanged: flakes and balls, £14 15s. to £15 per ton, in cases, ex wharf. METHYL ALCOHOL on spot continues to be quoted at about £42 per ton, in drums; cheaper prices for quantities. PYRIDINE has been in small request at 4s. to 4s. 6d. per gallon, f.o.b. TOLUOL is quieter with the market unchanged: commercial 90's, 1s. 10d.; pure, 2s. 2d. per gallon, ex works. XYLOL is unchanged on a dull market: commercial, 1s. 10d.; pure, about 2s. 1d. to 2s. 2d. per gallon, ex works. PITCH is unchanged and quiet at 47s. 6d. per ton, f.o.b. East Coast. The season is now finished.

Fixed Oils, etc.

COCONUT, cotton, groundnut, palm kernel, palm, rape, soya and acid oils are all easier, with the markets generally flat. Linseed oil is holding up well, and American turpentine is rather firmer. In palm oils the lowest level of prices since 1908 has been reached. ACID OILS are easier and dull: coconut and/or palm kernel, 31s.; groundnut, 24s. 6d.; soya, 22s. spot. CASTOR.—Quoted prices are unchanged, with the market slow: pharmaceutical, 45s. 6d.; first pressings, 40s. 6d.; second pressings, 38s. per cwt. in barrels on the spot. COCONUT is dull and easier: deodorised, spot, 40s.; Ceylon, 30s. 6d. c.i.f. COTTON.—Easier prices are being quoted, with the market flat: deodorised, 38s.; common edible, 36s.; soapmaking, 33s.; crude, 31s. spot. GROUNDNUT is quiet and irregular: deodorised, spot, about 40s.; crude Oriental, 34s. c.i.f. PALM KERNEL is easier and still slow: deodorised, 39s. 6d.; crude, 33s. 6d. spot. PALM.—The lowest prices since 1908 are now recorded, with the market still dull: Lagos, 23s. 3d.; softs, 22s.; mediums, 23s.; hards, 24s. 3d.; bleached, 25s. spot. RAPE is easier and dull: refined, 40s.; crude, 37s. 9d. spot. SOYA is easier and still slow: deodorised, 35s. 6d.; crude, 32s. 6d. spot. LINSEED (raw, naked).—At a slight discount on the week the market is now very steady, although quiet since the holidays: on spot, 43s. 6d.; June, 41s. 6d.; July-August, 40s.; September-December, 37s. 10½d. Boiled oil on spot, 45s. 3d. TURPENTINE.—The tone was considerably firmer on an active spot demand and some fear of a temporary shortage in the coming month. American cable advices were stronger. Prices closed at fully 40s. for spot delivery and at 39s. 9d. for July-December. London deliveries for last week were 2,337 barrels, making a total since January 1 of 44,738 barrels, comparing with 42,655 barrels for the same period last year. Stocks were returned at 9,132 barrels, which, together with the quantities in the course of landing and afloat, makes the London visible supply 14,100 barrels, this comparing with 18,799 barrels a year before. RESIN.—There has been only a limited demand but the tone is irregular. C.i.f. quotations from America for shipment within 30 days are as follows: B 13s. 10½d., D/E 14s. 4½d. to 14s. 7½d., F/G/H/I stands at 14s. 9d., K/M 15s. 1½d., N 15s. 6d., and W/G 16s. per cwt. I/K grades on the spot are offering at 15s. 9d. WOOD.—Hankow in barrels on spot is dull and easier at 50s. per cwt.

LUBRICATING, MINERAL, BURNING OILS, ETC.—Quiet markets continue to be reported, and most items are easy as quoted. Lubricating oils are easier for cylinder oils and white oils are unsteady. BENZOL is steady and in good demand: standard motor 90's, country, 1s. 5d. to 1s. 5½d.; London, 1s. 7d. per gallon, ex works, in tank wagons. PARAFFIN OILS are unchanged with the market firm: American standard white, 1s.; water-white, 1s. 1d. per gallon, barrels free, ex wharf. PARAFFIN WAX and SCALE.—Wax is quiet and easy from 1⅞d. to 5d. per lb., according to melting point, in bags. Scale for shipment is offered at about £13 5s. per ton c.i.f. U.K. port. WHITE OILS are slightly easier, with the market dull: special No. 1, £24 7s. 6d.; No. 1, £23 7s. 6d.; No. 3 half-white, £20 7s. 6d. No. 4 half-white, £18 7s. 6d. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS are unsteady, with the market dull: 90 to 160, 1s. 1d. to 1s. 1½d.; heavy 90 to 190, about 1s. per gallon naked at works. PETROLEUM JELLIES are unchanged generally, with the market quiet: white to snow-white, £36 10s. to £46 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £11 5s. per ton, barrels free, ex wharf. LUBRICATING OILS.—The market is easier and still very quiet: spot, pales, £9 12s. 6d. to £21; reds, £11 to £21; dark cylinders, £12 10s. to £32; filtered cylinders, £22 5s. to £35 per ton, less 2½ per cent.

Cassia Fistula Exports

FAIRLY large quantities of cassia fistula are produced in the island of Celebes and used locally in medicine. Cassia fistula is also exported from Macassar and Sourabaya, and most of the Batavian exporters are able to supply it on large orders, but are not interested in small ones. Exports during 1923 are as follows: From Sourabaya, Java, 64,907 kilos, value fl.3,247; from Macassar, Celebes, 486,402 kilos, value fl.26,105; total Netherlands India, 551,309 kilos; fl.29,352.

Commerce in Myrrh

THE imports into Arabia of myrrh from independent Somali ports (Italian East Africa, Somaliland, etc.) during the official 1928-29 year and the 1929 calendar year amounted to 26,912 cwt., valued at 689,339 rupees, and 26,919 cwt., valued at 637,088 rupees, respectively. Exports of myrrh during the same periods amounted to 16,270 cwt., valued at 605,399 rupees, and 18,978 cwt., valued at 689,389 rupees. Egypt, followed by India (Bombay), Djibouti and certain Red Sea ports, were the destinations of the bulk of the exports.

Mexican Arsenic

ARSENIC oxides are produced only at the smelter of the large American smelting and refining company at San Luis Potosi. This is said to be the largest arsenic plant in the world and is capable of a much larger output of arsenic if the market could absorb it. In addition to the amount exported, stocks of both black and white arsenic oxides are available in San Luis Potosi. Exports from San Luis Potosi to the United States are as follows:—

	1928		1929	
Arsenic oxide	Lb.	Value	Lb.	Value
Black	510,805	$15,333	1,111,778	$98,719
White	9,923,536	394,579	13,191,960	510,733

Derris Root in Sumatra

THE director of the Deli Proefstation in Sumatra stated his belief that derris could be grown in either a tropical or subtropical climate; no purpose, however, would be served in obtaining seeds, and indeed strong doubt is felt as to the possibility of exporting derris seeds from Sumatra in view of the Government restriction on the exportation of various plant seeds. In Sumatra plantings have been from the roots. Derris roots shrivel and lose a considerable portion of their strength in the course of a long ocean voyage. For this reason exporters are unable to guarantee the chemical strength on arrival at destination. The one producing estate has had a prosperous year and has recently sold derris at a price competitive with the Singapore root. However, this estate, it is reported, is to be discontinued this year, as tuba root proves detrimental to the soil and constitutes a danger to adjacent rubber plantations. No plans for cultivating in other areas of northern Sumatra have been made. Large quantities of the root are still grown in the Straits Settlements. Actually, Singapore's trade in derris is far more important than that of Medan and the total production of the root in Sumatra is relatively unimportant when compared with production elsewhere in the Federated and Unfederated Malay States, Singapore Island, and Sarawak.

Correspondence

Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

North British Executive

SIR,—May I be allowed a portion of your valuable space to make an appeal to all members of the Society in Scotland to record their votes in our own Scottish election before Wednesday next, June 18? Wholehearted interest in pharmaceutical affairs was never more necessary than it is at the present time, and it is up to every member to help to return seventeen members who are best fitted to look after the interests of the trade generally in our own country. On my own behalf may I again solicit the support of all those who were good enough to give me their votes at the recent Council election? And to those others who desire better working conditions in pharmacy I ask that they will leave my name amongst their chosen number. In return, if I am elected, I promise my best services at all times on behalf of those I hope to represent.

Yours very faithfully,

THOMAS C. MILLER.

Dunfermline.

National Insurance Formulary

SIR,—The corrections to the National Insurance Formulary came into force on June 1, and it will be noted that they apply principally to those preparations which were criticised in your columns by various correspondents when the Formulary was first issued. Noteworthy among them is lin. alb., which with its proportion of liq. ammon. fort. was condemned in advance, and was certain to prove unsatisfactory, if not even dangerous, in use. Lin. methyl salicyl. was also stated beforehand to be an unpresentable preparation, and we now do away with ol. gossypii and start fresh with ol. rapii. And so the game goes on, always at the expense of the chemist, whereas a reference to one or two practical panel chemists before publication would have eliminated the necessity of revising the Formulary at such short notice. Apparently this is only the beginning of the revision.—Faithfully yours,

REVISED (10/6).

Keeping the Shop Tidy

SIR,—In the second article on "The Business Side of Pharmacy" (*C. & D.*, May 31, p. 670) Mr. Cripps deals with stock, its arrangement, keeping, ordering and taking; and I can well understand him commencing with advice to keep the counters clean and not to litter the floor. During my earlier days I tried several periods of *locum* work, principally to get varied experience; I wonder whether Mr. Cripps had in mind something similar to some of the pharmacies which I came across in various parts of the country—counters strewn with goods got out and never put away; dispensing counters lumbered with old mixtures, dirty bottles, half-filled wholesale containers, and scraps of paper under the shop rounds; the tops of drug fixtures filled up with returns never sent back; and in more than one instance the floor littered with the deliveries from the sundries house, some of the items having been taken out and sold, and the rest left in the open container without even being checked. From one or two glimpses I have had of back shops there are evidently still some such establishments, and I cannot think how any man can work in a permanent state of muddle. I agree that stocks should be arranged in departments; there is a little difficulty, however, in a small premises to be completely methodical in this respect, as it frequently happens that the largest size of some article, such as foods or the bigger proprietaries, will not fit in the shelves set apart for the same goods, and to use the larger cases for small items is a waste of space. There is one question of departmentalising which might be discussed; is it better to stock all the shaving soaps, all the toothpastes, all the hair creams, etc., together, or is it better to keep them in the manufacturers' series? From the point of view of sales I consider it best to have all one species of goods in the same cupboard or shelves, as whatever a customer requires the selection is at hand; but this arrangement entails a lot of extra work when ordering or stocktaking. The system of ordering from cards showing the minimum stock is a good and effective one, but I do not think it practicable for the small man; further, when the buyer is the seller as well he practically knows right off what is required, and the usual run round the shop after closing time fills up the gaps. I should say that most pharmacists are in the habit of ordering goods in fractions, but I have received invoices from wholesalers where everything is written in units; it is a pity that the fractional system is not universal. I hope that I am as polite to travellers as most pharmacists, perhaps more so, and when advised beforehand look up their orders as far as possible; but what is one to do with the type which will not take "No" for an answer, especially if one is in the middle of a batch of pills? With regard to many of the other recommendations given in this article, I conclude that I must have been apprenticed in a very orderly business, as I find that most of the instructions noted have become habits.

Yours truly,

HABITUAL (11/6).

Selling from the Window

SIR,—Mr. Cripps, in his notes on "Shop Routine," writes, "Am I obliged to sell an article exposed in the window if a wrong price has been placed on it?" As Mr. Cripps says, there is no contract made by merely showing goods; but to refuse a sale would be a very bad advertisement for the business, and if the price had been marked wrongly by mistake it would be better to let it go if the customer insisted. Arising out of this is the popular belief that some shopkeepers deliberately price goods wrongly, or alternatively show a superior quality in the window to that which is sold inside in order to draw the public, and in this belief customers occasionally demand the one which is in the window. In the case of pharmacy such a practice is unknown; but the idea is there, and as part of one's general business policy one should never hesitate to get any article out of the window if asked to do so.—Yours faithfully,

OBLIGEM (11/6).

Mr. Gamble's Lead

SIR,—Mr. F. W. Gamble, in his address to the South-Western Association (*C. & D.*, May 31, p. 669), dealt with his objections to the draft Bill. Most of these objections related to the proposed Poisons Board, its constitution, and its powers to deal with the Poisons Schedule, and there is no doubt it is most unfortunate that the proposed new Schedule should have been referred to as comprising Parts I and II, because these are the terms used at present. Mr. Gamble points out that the new Part I could be divided into various sections with varying conditions of sale. And so we can conceive a schedule in which Part I would include all the poisons now saleable by chemists, and having an entirely different Part II. But if this, or something like this, is the intention of the Bill, it should be put into a more definite shape before the Bill becomes an Act, for it is a certainty that a minority of five pharmacists on the Poisons Board are not likely to carry any recommendation through against pressure. Having regard to the locked cupboard regulation which has become such a fetish of the D.D.A. authorities, one can also envisage the sectionalising of Part I poisons being accompanied by varying classes of cupboards and grades of locks in uniformity with the dangerousness of the contents.—Yours, etc.,

PRIMA PARTE (10/6).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

WEX (31/5).—(1) WHITE FLY ON TOMATOES.—Assuming the plants are under glass, the best results are obtained by impregnating sacks (hung from wires) with tetrachlorethane. About 2-5 fluid ounces of the chemical is required for 1,000 cu. ft., providing the house is maintained at 65-70° F. for twelve hours and is reasonably tight. Some growers fumigate once a fortnight (using 2-2½ oz.) as a precautionary measure in the early part of the season. (2) GREEN FLY.—Either of the following can be used against this pest:—

I

Paraffin-Soap Emulsion

Paraffin ...	... 2 pts.
Soft soap ...	... 1 lb.
Water ...	... 10 gal.

Dissolve the soap in about 1 gal. of boiling water, remove from the fire, and while still hot add the paraffin. When required for use add soft water to make 10 gals.

II

Quassia and Soap

Quassia ...	... 12 oz.
Soft soap ...	... 1 lb.
Water ...	... 10 gal.

The quassia should be soaked for twenty-four hours, or it may be boiled. Nicotine (98 per cent.) ¾-1 oz. used instead or in addition to the quassia in the above is most effective.

(3) MANUFACTURE OF FUSEES.—The process is fully dealt with in Thorpe's "Dictionary of Applied Chemistry," Vol. IV.

Aspirin (12/8).—ASPIRIN TABLET.—This tablet is dull yellow in colour and soft in consistence. The correspondent inquires whether it is aspirin, for which it was sold. Apparently its only essential component is aspirin, the ether-soluble portion gives the reactions thereof, and no nitrogen-containing compound is present. The mealy consistence is due to a large-grain starch, probably *tous les mois*, and the colour appears to be due to a dye of the methyl red type, or one similar giving a more rosy colour with acid.

W. & H. (7/8).—MIXTURE.—This consists probably of tincture of hydrastis only, but reduced in strength.

W. B. (South Africa) (23/48).—PRESERVING A SNAKE SKIN.—We are not acquainted with a preparation of arsenic in an oily solution. The following is the formula of a soap used by taxidermists for preserving purposes:—

Arsenious anhydride	16 parts
Curd soap	16 parts
Potassium carbonate	6 parts
Slaked lime	2 parts
Water	to 48 parts by weight

The method generally adopted for preserving snake skins is:—The skin should be soaked in cold water containing a little salt to soak out the blood; rinsed in water and squeezed out; immersed in cold carbon tetrachloride for ten hours to degrease it; hung half an hour for the carbon to evaporate; placed in equal parts of hydrogen peroxide and water for a few hours. It is then rinsed in water, squeezed out and placed in glue-glycerin solution and allowed to remain overnight, being kept in a warm place. If placed in the solution when the latter is too hot the skin will shrivel and be ruined. Just sufficient warmth to prevent the glue from becoming rubbery is required. Next morning the skin should be rinsed in water, squeezed out and thoroughly scraped all over the inside, then rinsed in water, squeezed out and wiped dry with a wad of cheesecloth. If the snake was about to shed its skin many of the scales will fall off, no matter what method of preservation is attempted, but if the skin be a new one the scales remain on tightly. The glue-glycerin is prepared as follows:—

Solution for Preserving Skins of Fish, Snakes, etc.

Water	1 part
Glycerin	1 part

Carpenter's glue, thin and warm, added until when cooled to the temperature of the room the solution does not jellify.

Legal Queries

Witch Hazel (17/5).—Dutiable medicines may be supplied unstamped only when prescribed by a medical practitioner. The preparations must not be accompanied by any recommendations or advertising matter, and must be labelled "to be supplied unstamped only when prescribed by a qualified medical man."

H. R. (26/5) has been given notice by his employer terminating his engagement as manager. Is he entitled to be paid any salary on the ground that he will forfeit his holidays, as he will be leaving before the time for his holidays arrives? [In the absence of a special agreement, or of circumstances arising at "holiday resorts" under the Shops Acts, an employee has no legal right to holidays or to payment for the loss of holidays in consequence of his discharge.]

R. A. B. (2/5).—A house was let on a three years' tenancy and at the end of eighteen months the tenant left and a new tenant took his place for the remainder of the term. A written statement to that effect was signed by the landlord and the old and the new tenants. Does the first tenant remain under any liability to the landlord under the tenancy agreement? [Unless there has been a valid assignment of the remainder of the tenancy, which seems improbable, the original tenant will remain liable to the landlord in the event of default being made by the new tenant in paying the rent or fulfilling any of his obligations under the agreement.]

W. A. (29/5).—The rate of relief granted on dividends from investments in a Dominion is not necessarily that difference between the Dominion rate and the British rate, because the appropriate rate of British tax is computed as follows:—Divide the tax payable on the taxable income (before allowance is made for life assurance or Dominion tax relief) by the taxable income, such income having been reduced by the person's appropriate personal allowances, etc. The British rate will therefore not always be the minimum rate which would be half the standard rate, in your case 2s. It follows that in some cases—yours apparently is one—the rate of relief has been excessive, and you have been asked to refund it. All companies deducting tax at source adopt the following rule:—

	s.	d.
Full standard rate of British Income Tax, say	4	0
Less relief in respect of Dominion Income Tax ...	1	0
Rate of British Tax deducted	3	0

The matter is rather comprehensive and complicated and cannot be fully explained by us, but we suggest that you approach your local Inspector of Taxes, and, working on the lines above, you will, no doubt, be satisfied as to the cause for the further 6½d. demanded.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 15, 1880

The Late William Stoddart

An excellent pharmacist and a man of happy temperament has just passed away. . . . For many years Mr. Stoddart resided in the city of Bristol, and carried on the business of a chemist and druggist in North Street, until he took the public appointment of city analyst on the passing of the Act against adulteration, which created a new class of official chemists. . . . As an analyst he was painstaking and conscientious to the last degree, and most precise in his expositions and reports. He was analyst for the county of Somerset as well as for the city and county of Bristol. . . . He became a member of the Pharmaceutical Society in 1853, and was on its Council from 1868 to 1875.

THE CHEMIST AND DRUGGIST

COMMERCIAL COMPENDIUM

deals with the trade side of pharmacy

[Commenced *C. & D.* July 5, 1924]

Sodium Benzoate.—Two varieties of this substance are obtainable, prepared from natural and from artificial benzoic acid. In either case the acid is neutralised with sodium carbonate or bicarbonate, the solution evaporated and recrystallised. It is an odourless, amorphous granular or crystalline compound having a sweetish saline taste. It is readily soluble in water, 1 in 2, and also in alcohol. The salt is decomposed on heating; fumes of benzoic acid are given off, and at higher temperatures charring occurs and the general residue is sodium carbonate. It is official in the B.P. 1914, where it is required to contain not less than 96 per cent. of sodium benzoate C_6H_5COONa, and also in the U.S.P. X, which requires it to contain, when dried, not less than 99 per cent. The French Codex 1908 contained the monohydrated compound C_6H_5COONa, H_2O, but this was altered to the anhydrous form in the 1920 Supplement. Its main use in this country is in rheumatic conditions, though it is not so effective as sodium salicylate. On the Continent it is used rather more extensively as a urinary antiseptic, and as an expectorant in bronchitis with thick secretion.

Sodium Bicarbonate.—This salt can be obtained by treating sodium carbonate either in crystals or in solution with carbon dioxide. A very large proportion of the sodium carbonate of commerce is, however, obtained by calcining the bicarbonate which is manufactured on a large scale by the Solvay ammonia-soda process, the first patent for which was obtained in 1861. This process utilises the reaction which takes place between solutions of sodium chloride and carbon dioxide and ammonia gases, whereby sodium bicarbonate and ammonium chloride are formed according to the equation, $H_2O+NH_3+CO_2+NaCl=NaHCO_3+NH_4Cl$. The ammonia is not eliminated from the system, but remains in the form of ammonium chloride, and can be regenerated from this by warming with milk of lime. Thus the only waste product of the process is calcium chloride, and it can therefore be run very economically. Part of the waste calcium chloride is now used in zinc metallurgy. It occurs usually as a white microcrystalline powder or in small monoclinic crystals, soluble in water 1 in 11. The B.P. 1914 requires a purity of not less than 98.5 per cent. It should be stored out of contact with air, since it tends to lose carbon dioxide on exposure, even at ordinary temperatures, and the same applies to the aqueous solution. Both the solid and its solution are rapidly decomposed on heating; at moderate temperatures sodium sesquicarbonate is formed, and by evaporating the aqueous solution somewhat below the boiling point this compound separates in crystals having the formula $Na_2CO_3NaHCO_3.2H_2O$. It has been stated that this compound is the cause of the discoloration which tends to occur in mixtures containing sodium salicylate and sodium bicarbonate. If aqueous sodium bicarbonate be boiled the final product is a solution containing the normal carbonate only. Sodium bicarbonate is perhaps the most extensively prescribed of all therapeutic substances.

Sodium Hyposulphite.—*See* Sodium Thiosulphate.

Sodium Nitrate is a most important nitrogenous fertiliser, and, until the war, was the chief raw material in the manufacture of nitric acid and other industrial nitrogen derivatives. The introduction of processes for the fixation of atmospheric nitrogen, for nitric acid manufacture by ammonia oxidation, etc., has considerably restricted its field of application in industry. It is obtained from natural deposits in Chile, where it occurs as "caliche" containing between 20 and 50 per cent. of pure nitrate of soda, by leaching with boiling water and subsequent crystallisation. The agricultural product is 95 per cent. pure, and contains 15½ per cent. nitrogen; a refined grade is also marketed for industrial purposes. About 2,500,000 tons are produced annually, but its economic future is uncertain in view of the increasing competition from other artificial nitrogenous fertilisers. Owing to its rapid solubility nitrate of soda quickly gives beneficial results upon application, and should be used therefore only as a top-dressing. Its chief function is to promote rapid growth of leaf and foliage, and it is thus of assistance in combating the ravages of insect pests in young plants. It is useful for almost any crop, but the rate of application varies according to circumstances. For cereals and root crops, up to one cwt. per acre; pastures and hay, two to three cwt.; and leaf vegetables up to four cwt. per acre may be given. Its effect upon the soil is somewhat injurious after repeated dressings. It should be stored in a dry place owing to its hygroscopic tendency.

Soft Paraffin.—*See* Paraffin, Soft.

Soft Soap.—Soft soap usually occurs in yellowish-brown masses, and is prepared by heating together olive oil, potassium hydroxide and water, and allowing the mixture to cool. It is sometimes coloured green by the addition of copper compounds or chlorophyll. Formulas for its preparation are given in "Pharmaceutical Formulas," 10th edit., p. 512. The U.S.P. employs linseed oil, potassium and sodium hydroxide and glycerine. Soft soap for domestic purposes can be made from cottonseed oil or tallow (*C. & D.*, 1927, ii, p. 294).

Solar Time.—*See* Time.

Solanum.—The genus *Solanum*, although represented in this country by only one medicinal plant, *Solanum Dulcamara*, Linn., is one of the largest genera of the Solanaceæ, including over 1,000 species, which are widely distributed throughout the tropical regions of all four continents, but are specially abundant in South America. The species form herb shrubs or small trees, and are often characterised by extra-axillary inflorescence. The corolla is shaped like that of the potato, and the five stamens converge into a cone around the style, each opening by two pores at the top, and the fruit is a berry containing numerous seeds. *Solanum Dulcamara*, known as the woody nightshade or bittersweet, is sometimes mistaken for the deadly nightshade or belladonna. It is recognised by the oval scarlet berries and extra axillary cymes of small blue flowers and auriculate leaves. It is not much used medicinally in this country, the part used being the year-old greenish brown woody shoots, which are about one-fifth of an inch thick, slightly furrowed longitudinally, in short pieces, either hollow or partially filled with pith, the transverse section showing a green layer in the bark and a radiate ring of wood, or more than one in older stems. The taste is at first bitter, especially in the spring, and then sweet. It has no odour unless when freshly gathered. It is supposed to promote all secretions, and is used in rheumatism, obstinate cutaneous eruptions, scrofula, etc. Two drachms to a pint of boiling water, boiled down to half a pint, are the proportions used, given in doses of a half to two oz., with an equal quantity of milk. It is a favourite homœopathic remedy under the name of Dulcamara. It contains two acid saponins, viz., dulcamaric acid, which is glucosidal, and dulcamaretic acid, which is not. It also contains an alkaloid solaniceine, which seems to be distinct from solanine. (Year Book of Pharmacy, 1912, p. 211.) For pharmaceutical preparations, dilute alcohol is the best menstruum to extract the active principles of the plant. The only other British species of solanum is *S. nigrum*, a small garden weed about a foot high with small white flowers in umbels, and small globose black berries. Its action is doubtfully poisonous, and apparently rarely so. The berries of a cultivated form of the plant are grown in the United States, and cooked for food under the name of wonder berries. In Bohemia, the plant is believed to possess mild narcotic properties, and the

The C.&D. Commercial Compendium

leaves are placed in the cradles of infants to promote sleep and are also used as a soothing poultice. In the East Indies *Solanum xanthocarpum*, Schrad, and *S. indicum*, Linn., are used for medicine, and form one of the ten plants used in preparing a special compound decoction largely used by the Hindus as an expectorant and diuretic in various complaints. A list of the ten ingredients is given under *Tribulus terrestris*, in Dymock's "Materia Medica," of Western India (second edition, 1885, p. 119). In Brazil, *Solanum paniculatum*, Linn. (Juripeba) and *S. Cernuum* (Braco de Preguica Bras.) are used for obstruction of the bowels and externally for healing wounds. In the province of San Paulo, *S. pseudoquina*, St. Hil., is considered to be one of the best bitter febrifuges, the bark being used like that of cinchona, hence its name "pseudoquina." It is described in St. Hil., *Pl-usueller*, p. 21.

Solders.—Solders are classed as soft and hard solders. Soft solders, also called tin solders or white solders, consist of soft, readily fusible metals or alloys, and do not possess much strength; they are easy to handle on account of their great fusibility. Tin, lead-tin, and alloys of tin, lead, and bismuth are used for soft solders, pure tin being employed only for articles made of the same metal (pure tin). The addition of some lead makes the solder less fusible but cheaper, while that of bismuth lowers the melting point. Soft solders are used for soldering easily fusible metals, such as Britannia metal, etc., also for soldering tin plate. To prepare solder, the metals are melted together in a graphite crucible at as low a temperature as possible, well stirred with an iron rod, and cast into ingots in an iron mould. To remove the layers of oxide which form during the process of soldering, various so-called fluxes are employed. These fluxes are applied to the joint, and act partly by keeping off the air, thus preventing oxidation, and partly by reducing and dissolving the oxides themselves. The choice of a flux depends on the quantity of heat required for soldering. Hard solders are used for brazing.

Solomon's Seal.—The root of *Polygonatum officinale*, Linn. (N. O. *Liliaceæ*, is sold under this name. The plant in this country is a rather rare herbaceous perennial herb growing in limestone soil. The leaves are an alternate ovate, oblong half clasping, spreading in two opposite directions, and the tubular white flowers usually are only one or two in number, in the axils of the leaves. The plant is distinguished by its angular stem and the glabrous filaments of the stamens from the rather more frequent *Polygonatum multiflorum*, which has a round stem, often several flowers, and downy filaments. The plant is furnished with a subterranean rhizome, from which arise stems, which at intervals leave, when dead, a circular scar on the upper surface of the rhizome. The singular name is said to be due to the fact that when the roots are cut transversely some lines are seen resembling the device known as Solomon's seal, a name given by the Arabs to a six-pointed star, formed by two equilateral triangles intersecting each other. According to the Doctrine of Signatures, these lines were considered by the old herbalists as an indication of the uses or properties of the plant, viz., to seal or consolidate wounds. Even Gerard says, "That which might be written of the herbe as touching the knitting of bones, and that truely would seem, unto some incredible, but common experience teacheth that in the world there is not to be found another herbe comparable to it for the purposes aforesaid; therefore, in briefe, if it be for bruises inwards the root must be stamped, some ale or wine, put thereto, strained, and given to drink. It must be given in the same manner to knit broken bones, against bruises, black, or blew or marks gotten by falls, or woman's wilfulness in stumbling upon their hastie husbands fist or such like." A writer in the time of Queen Elizabeth says the roots of Solomon's seal stamped whilst it is fresh and applied taketh away in one night or two at the most any bruise or black or blue marks. The rhizome of *Polygonatum officinale alb.* is used medicinally in Japan under the name of Amadokoro where seven species of the genus occur. In China, it is also used under the name of Wei-jui. The properties of the root are probably due to a saponin, since E. Juston Mueller, writing in the "Bull. Sci. Pharm.," 1915 (22), p. 259, reported that the root of Solomon's seal (*P. multiflorum*), which is probably often used as a source of Solomon's seal, contains 1.66 per cent. of saponin, calculated on the dry material. It was obtained by extracting with 60 per cent. alcohol, and the extract treated with a slight excess of ferrocyanide of potassium, $K_6Fe_2Cy_{12}$, which precipitates the saponin. The precipitate is collected and washed with hot alcohol of 95 per cent., which dissolves only the saponin. The solution is evaporated, and the residue dried between 50-60° C. The other constituents found were glucose, mucilage and a very little tannin. ("Year Book of Pharmacy," 1916, p. 226.) The action of this particular saponin upon the blood does not seem to have been ascertained. The author states that the pulped root is used in France as a remedy for boils, whitlows, and other affections, and that it is given to horses for coughs.

Soluble Essences were first marketed in 1877, although the idea was suggested several years previously. The first essence to be prepared was that of ginger. Soluble essence of lemon soon followed, and these two preparations are still the most popular in their class. They should mix with water without causing opalescence. There are various methods of preparation, in the case of ginger by deresinating. Soluble essence of lemon is preferably made from fresh fruit, with the addition of terpeneless oil. *See* Essences, Spirituous.

Solution Charts.—Compilations of figures in the form of tables showing at a glance the quantities of medicaments required to make percentage solutions. A solution chart is given in "Pharmaceutical Formulas," p. 951.

Solvellæ.—Soluble tablets or discs intended to be dissolved in water for the preparation of solutions for external or local use. The name is convenient as an indication that such tablets are not for internal use. Formulas appear in "Pharmaceutical Formulas," p. 601.

Soot.—A useful fertiliser obtained by the combustion of coal or wood. It consists of the minute particles of carbon, tar, and ash of imperfect combustion, and the ordinary material contains these constituents, together with small amounts of nitrogen and sulphur compounds. It varies tremendously in its composition. Domestic soot contains more nitrogen than that produced in boilers, and the former material is more bulky than the factory variety. The amount of nitrogen in domestic soot varies from 2.5 to 11 per cent., and in boiler soot from 0.5 to 1.25 per cent. The best varieties are lighter in weight than the poorer factory type, and there is a distinct connection between the weight per bushel and the nitrogen content. Average soot contains 1.8 to 2.0 per cent. nitrogen, and weighs from 40 lb. to 43 lb. per bushel. One of good quality, containing 4 per cent. nitrogen, will weight 24 lb. to the bushel, and not more than 28 lb., and a very good sample, with 7 per cent. nitrogen, will weigh about 15 lb. to the bushel. The nitrogen in soot is mainly in the form of ammonium salts, and a good specimen will contain about 95 per cent. of its nitrogen in this combination. For this reason it is a quick-acting fertiliser. Soot is valuable in garden work as its dark colour increases the absorptive power of the soil for heat rays, and its application will often raise the temperature from 2 to 3 degrees. It renders heavy soil more friable, is a powerful insecticide and fungicide, and is distasteful to slugs and snails. Soot is a valuable top dressing for wheat, and 6 cwt. of good material is equivalent to 1 cwt. of ammonium sulphate. It is stated to improve the colour of roses, and it is also used considerably in the manurial treatment of hops in Kent. It should be stored in a dry shed, and should never be mixed with lime, or ammonia will be liberated and lost.

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56 THE NURSING MIRROR AND MIDWIVES' JOURNAL APRIL 19, 1930.

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	Per cent.
Moisture	23.28
Fatty matter	4.04
Mineral matter	1.72
Phosphate as P_2O_5	0.78
Nitrogen	0.06
Equal to protein (Factor 6.38) ...	0.38
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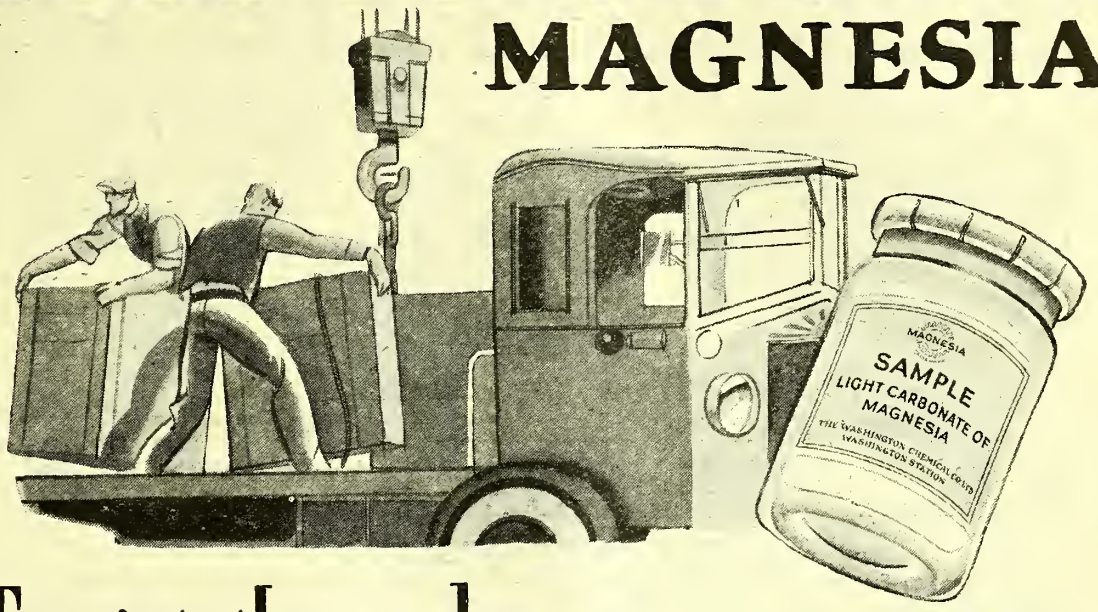

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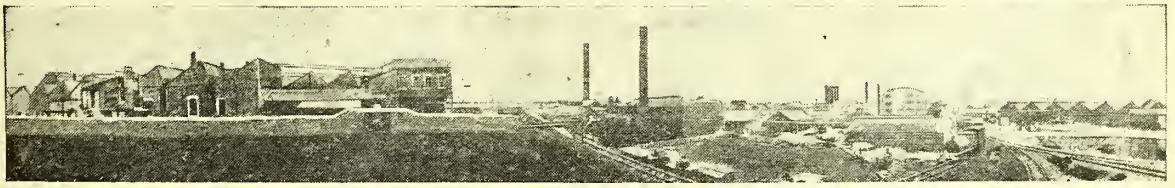

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Net Price: In 4-oz. bottles, 5/- per doz.; 8-oz. ditto, 9/- per doz.; 16-oz. ditto, 15/6 per doz.; 20-oz. ditto, 20/- per doz.; 32-oz. ditto, 27/- per doz. Special Prices for Bulk. Showcards Free.

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C. J. HEWLETT & SON, LTD.,

35-42 Charlotte Street, and 83-85 Curtain Road, LONDON, E.C.2

"Multum in Parvo."

"VAPOFORM" Disinfectant

Regd.

For disinfection of Rooms, Confined Spaces, &c. — for HOME and HOSPITAL — Has no injurious effects whatever on Furniture, Utensils, &c.

Small size, capable of disinfecting 1000 to 2000 cubic ft., 8/6 per doz.

Large size, capable of disinfecting 3000 to 6000 cubic ft., 13/- per doz.

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"Fine 'Tosse' Products"

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EXTENSIVELY ADVERTISED TO THE MEDICAL PROFESSION

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RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUÉ'S ETHYL CHLORIDE.

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PULMO (Bailly).—FORXOL.—OPOBYL.

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A steady profit is assured if you stock

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TABLETS per box 3d., 6d. & 1/-

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QUININE

QUINIDINE
CINCHONINE
CINCHONIDINE

Sugar-coated Quinine Tablets and Pills.

and

SALTS

Gelatine-coated Oval Pills.

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Telegrams: "Kininefabriek Bandoeng." Samples, prices and particulars on application. Telegrams: "Semadmy Amsterdam."

SUNBURN LOTION

"Lotus" Series

Being Semi-colloidal the uninviting appearance occasioned by the separation of the ordinary Calamine Lotion is avoided, and in use it is much more pleasant

Per ***7/6*** *dozen*

ALSO IN THE SAME STYLE:

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Bay Rum	***7/6***
Bay Rum and Cantharides	***9/-***
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Carriage Paid on Orders for £2 in the U.K.

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Popular 6d. Lines

BEST SELLERS

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ASSORTED FRUITS
BLACK CURRANT AND GLYCERINE
BREATHE EASY
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COMPOUND GLYCERINE OF THYMOL
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LEMON SQUASH CUBES
LICORICE AND BLACK CURRANT
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PHOSPH. ORANGE TONIC

3-oz. Transparent Cellulose Bags

Retail 6d. each

Packed in Outers each One Dozen Bags

4/- per dozen

Per gross 45/-

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Everybody's using it now!

Snowfire Cream has gone from success to success. Thousands of women to-day rely on this pure, non-greasy vanishing cream as a skin-protector and beautifier. Its name and reputation, backed by consistent advertising, has made Snowfire the leader among popular priced face creams.

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In Opal Jars and Aluminium hand-bag containers at 1/3 and 3d. respectively (retail).

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It will pay you to stock them!

When the public demand goods bearing a specified name the wide-awake retailer prepares to meet that demand and so reap the benefits which follow.

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The Safe and Pure Antiseptic

Write to-day for full particulars to:

THE IGLODINE CO., LTD. - Newcastle-on-Tyne.

A SPLENDID SELLER!

Dr. Lalor's Phosphodyne is not a new line; it has been held in high esteem in all parts of the world for more than sixty years,

The finest remedy for DEBILITY, NERVOUS EXHAUSTION, LOSS OF APPETITE, MALARIA, MENTAL and PHYSICAL LASSITUDE, NEURALGIA, SLEEPLESSNESS.

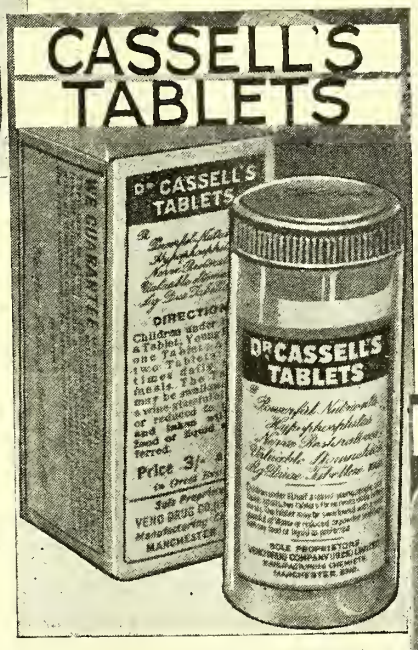
Dr. LALOR'S

Phosphodyne

HOW ARE YOUR STOCKS?

Dr. LALOR'S PHOSPHODYNE LABORATORY
71 Parliament Hill Passage, Hampstead, N.W.

EVERY CHEMIST SHOULD STOCK THESE THREE LINES



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BEECHAM-VENO CENTRAL DISTRIBUTING DEPOT

CHESTER RD. MANCHESTER.

THE SYMBOL OF LIFE
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PRUNOL
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SAFE AND SIMPLE

In Jars
1/6 and 2/11
From all Wholesalers

NATURE'S FRUIT LAXATIVE FOR CHILDREN AND ADULTS

In response to many requests from Chemists we have decided to distribute the

9d. TRIAL SIZE

through the Trade at the usual discounts. Your Wholesaler holds stocks of this size.

40/- Bonus Parcels, together with Display Carton, Wrapping Paper, and Prunol Booklets, are available through your Wholesale House.

PRUNOL PRODUCTS LTD. 21 COCKSPUR STREET, LONDON, S.W.1
Phone : Regent 1920 *Wires : "Prunol, Westrand, London."*

'Petrolagar'
(Regd Trade Mark)

FREE OFFER.—You may have one 8-oz. bottle free with one dozen 8-oz. size, any assortment, or one 16-oz. bottle free with one dozen 16-oz. size, any assortment (not a mixed dozen of large and small).

Obtain the best terms by ordering 'Petrolagar' Brand Emulsion in dozen lots from your wholesaler.

PETROLAGAR LABORATORIES LTD., BRAYDON ROAD, LONDON, N.
'Phone: CLISSOLD 7572.

HAY FEVER.

RECOMMEND STANIFORM OINTMENT TO CUSTOMERS SUFFERING FROM HAY FEVER——THEY WILL THANK YOU.

STANIFORM
REGISTERED TRADE MARK
BRAND OINTMENT

★ *Sufferers from Hay Fever should apply STANIFORM OINTMENT to the inside of the nostril.*

STANIFORM PREPARATIONS ARE OBTAINABLE FROM USUAL WHOLESALERS: ON P.A.T.A. TERMS.

WRITE FOR DETAILS OF FREE BONUS OFFER,
STANIFORM, LTD.
Carnwath Rd., London, S.W.6

2.

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Bergen, Norway.

COD LIVER OIL ABOUNDS IN NATURAL VITAMINS.

Norwegian Cod Liver Oil stimulates growth, prevents or cures rickets, gives increased protection against epidemics and wasting diseases such as consumption. Cod Liver Oil maintains strength, assists recovery after illness, builds up the system and restores health, gives vitality and strength.

Every Doctor and every Nurse knows this. But new and important properties of cod liver oil are constantly being discovered. Thus in its Special Report No. 134, the British Medical Research Council states:

"On the Archangel front during the war, night-blindness amongst the troops was a common occurrence. The condition yielded to treatment with cod-liver oil, which contains vitamin A."

In your practice perhaps you have discovered some other way in which cod liver oil is useful. If so, please write and tell us about it so that we can place your knowledge at the disposal of the Medical Profession.

A TEASPOONFUL OF NORWEGIAN COD LIVER OIL CONTAINS MORE VITAMINS THAN

ALL THE BUTTER AND MILK ANY INDIVIDUAL CAN EAT AND DRINK IN A DAY

NORWEGIAN COD LIVER OIL

"SUPERLIN"
(Registered Trade Mark)

By taking advantage of our best terms your first dozen will give you
100% PROFIT !

Particulars and Samples, etc., from the Manufacturers,

RETAIL PRICE 1/3 PER 10 OZ. BOTTLE

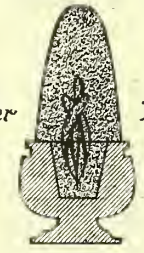
ATTRACTIVE WINDOW DISPLAYS AND BONUS

THE CLEAN DISINFECTANT FLUID

ALSO SUPPLIED IN DRUMS

Wrigley, Paterson and Co., Ltd.
(C. Dept.)
ISLEWORTH
MIDDLESEX

VINT'S Menthols



Feather Brand

Satisfy Everybody
They don't break
Retail 6p, 1/- & 1/6
Direct, or from any wholesaler
EVANS SONS LESCHER & WEBB LTD

2

Zam-Buk

A SOUND PROPOSITION

Always Advertised — Always Selling

If you would protect your customer from
INFLUENZA
persuade him to use a
DEVILBISS SPRAY
BOTH NIGHT AND MORNING.
You can supply him with one complete with solution for 4/6
Ask us about this—
THE DEVILBISS CO., LTD.,
WEST DRAYTON : : MIDDLESEX
And 27 Old Bond Street, W.

FRENCH WINE VINEGAR

IDEAL FOR SALADS

10/- per doz. rep. Qts. 6/- per doz. rep. Pts.

FREE CASES. CARRIAGE PAID.

Samples on Application.

JULES DUVAL & CO., LTD.

3 AND 4 WATER LANE, E.C.3

CAMWAL

TABLE WATERS - - in Syphons & Bottles
LEMONADE POWDER } in Packets, Cartons, and Canisters.
AQUAPERIA WATER or SALTS (P.A.T.A.) } *WINDOW DISPLAYS.*
LEMON SQUASH - - in 26oz. Bottles
(with plain or Soda water forms a delicious drink).

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PROMPT SHIPMENT

ALL SIZES

'Phone or Write:

GARFIELD TEA CO.

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Energen

Regd. Trade Mark

STARCH-REDUCED BREAD

AND

CEREAL HEALTH FOODS

ARE STANDARD IN THE DIETETIC TREATMENT OF DIABETES, AND THE ONLY FOODS WHICH BEAR THE WEIGHT OF PROTEIN, CARBOHYDRATE, FAT AND CALORIE VALUE ON EACH PACKAGE.

Widely prescribed by the Medical Profession in the Dietary for Weight Reduction, treatment of Blood Pressure, all Special Diets and during Convalescence.

The constancy of their protein and carbohydrate content enables the physician to prescribe and adjust the dietary as desired.

ENERGEN PRODUCTS ARE OBTAINABLE FROM ALL WHOLESALERS, AND OWING TO THEIR GENERAL USE, CHEMISTS ARE ABLE TO DEVELOP A PROFITABLE TRADE.

Diet Cards for Diabetes, Obesity, "Light Diets," and the Energen-Hollywood 18-day weight reduction diet (approved by Medical Authority), and Advertising Material, Show Cards, etc., sent free on request.

Panel Patients obtain all Energen Products at reduced rates with full profit to the chemist.

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WHITE, COLOURED, EMBOSSED, PRINTED

The Ideal Wrapping for Perfumery Soaps, Toilet Goods, &c.

EITHER COLOURLESS OR COLOURED TO HARMONISE WITH GOODS. BAGS OF ALL SIZES AND SHAPES TO ORDER

Sole Agents *Samples and Competitive Price from*

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A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

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CHOICE ENGLISH HONEY- - - - ½ lb. Glass Jars, 11/- doz., 1 lb., 20/- doz.
FINEST CALIFORNIAN WHITE CLOVER ,, ,, 7/6 ,, ,, 12/6 ,,
Ditto in patent containers - - - 2 oz. 2/8, 4 oz. 4/3, 8 oz. 6/9, 16 oz. 11/- ,,
NATURAL LIQUID HONEY, Tupelo, not clarified, natural non-setting Nectar, in Glass Jars, ½ lb. 8/6, 1 lb. 14/- doz.
Also French, New Zealand and Canadian Honey

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ESTABLISHED 1793.

The Best and Safest Infants' Medicine of over 130 years' standing.

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

Does not contain any Scheduled Poison.

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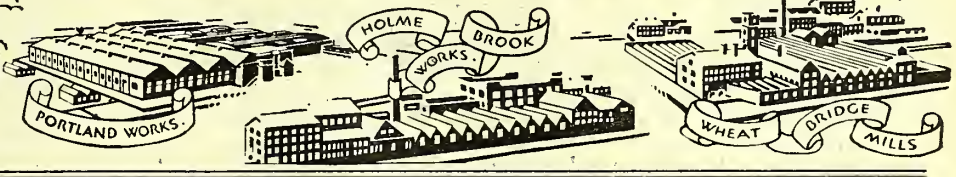
Chesterfield



The Town of the Crooked Steeple and the Cardboard Box Industry

Goods well packed are half sold, and easier selling means more sales.
We have expert box designers who specialise in designing boxes which are salesmen as well as packages.
If therefore you have any packing troubles send them to CHESTERFIELD where our 90 years experience is at your disposal.

ROBINSON & SONS, LTD., WHEATBRIDGE MILLS, CHESTERFIELD.
MANUFACTURERS OF ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

900 workers are employed in the above factories.

SAVE 35%

ON YOUR BILL FOR COLLAPSIBLE TUBES

The secret of how your competitor can sell at such apparently ridiculous prices and still make a profit is often that he has learned to know our

"TINALLUM" TUBES

which are 35% cheaper than Tin tubes.

Tested for Toothpastes, Shaving Creams, Cold Cream, Day Cream, &c.
Contents will not discolour in a "Tinallum" Tube.

WE ARE ALSO LARGE MAKERS OF PURE TIN TUBES AND COMPOSITION TUBES FOR ALL PURPOSES. ARTISTICALLY DECORATED IN VARIOUS STYLES.

The new coloured "Bakelite" caps can be supplied.

Andersen & Bruuns Factories Ltd. Copenhagen F. Denmark

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DISPENSING BOTTLES

A sound bottle is a good investment—cheap, badly-made bottles are dearest in the long run.

Of correct capacity, with uniform mouths and even distribution of metal, our bottles stand up to the roughest handling and make all the difference in the finished package.

They are bottles you can be proud of, and yet our prices are keenly competitive.

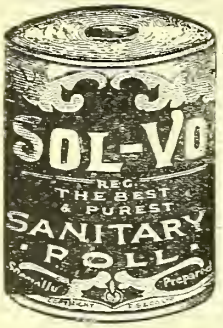
In addition they are British made.

If you want GOOD bottles, ask us to quote you.

FREDERICK HAMPSON

Duncan St., Salford

Telephone 1018 Trafford Park — ESTABLISHED 1851. — Telegrams "Attention," Salford



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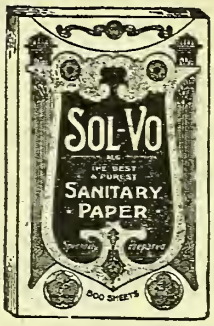
REG.
THE BEST & PUREST
SANITARY PAPER



Three dozen Rolls ...	per doz.	7/-	net.	Three dozen Packets ...	per doz.	10/-	net.
Half gross ,, ...	,,	6/6	,,	Half gross ,, ...	,,	9/6	,,
One gross ,, ...	,,	6/-	,,	One gross ,, ...	,,	9/-	,,
Five gross ,, ...	,,	5/3	,,	Five gross ,, ...	,,	8/3	,,

The M. G. TOILET ROLL
SUPERIOR QUALITY.

Three dozen Rolls ...	per doz.	4/9	net.	One gross Rolls ...	per doz.	4/3	net.
Half gross ,, ...	,,	4/6	,,	Five gross ,, ...	,,	4/-	,,

CARRIAGE PAID.

FORD, SHAPLAND & CO. Ltd.
LABELS & SHOWCARDS **PRINTERS** CARTONS & ENVELOPES.
GT. TURNSTILE, HIGH HOLBORN, LONDON, W.C.1.
TELEGRAMS: FORSHAPCO, HOLB. LONDON. TELEPHONES: HOLBORN 4695/7.

"SURCO"
Always Reliable

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BODY BELTS
TRUSSES
SUNDRIES

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"STERAID" Regd. Dressings

Patent No. in Great Britain 221761/1924 and patented in all the principal foreign countries.

Patent Rotating Canister packing to retain aseptic conditions. In use, only the amount required is withdrawn and cut off. The remainder is not exposed.

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	Minimum Public Prices Each 6-yd.	3-yd.	1-yd.	Minimum Trade Prices Per Doz. 6-yd.	3-yd.	1-yd.
Sal Alembroth, Sublimate, Carbolic, Boric	2/3	1/3½	-/8½	20/3	11/6	6/4
Plain Absorbent	2/-	1/2	-/8	18/-	10/6	6/-
Double Cyanide	2/6	1/5	-/9	22/6	12/9	6/9
Picric, Iodoform	3/-	1/8	-/10	27/-	15/-	7/6

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PLAIN and BORIC.

	Min. Public Prices	Min. Trade Prices
2in. wide	1/3 each	11/3 doz.
4 ,,	1/9 ,,	15/9 ,,
6 ,,	2/3 ,,	20/3 ,,

Approx. 6 yds. Plain and 4 yds. Boric

ORDER THROUGH USUAL WHOLESALER.

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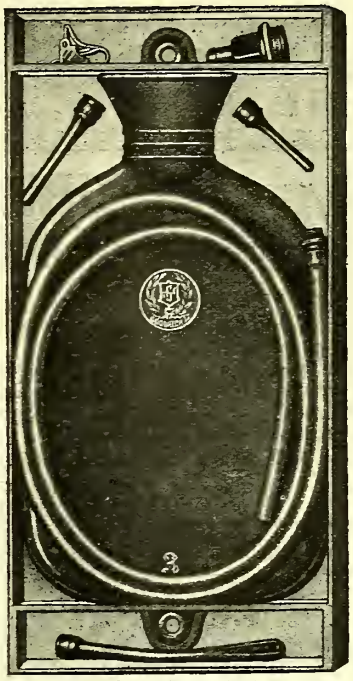
RUBBER GLOVES

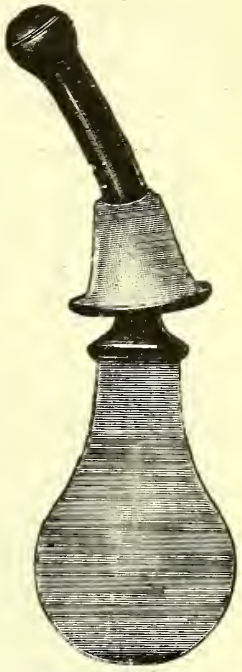
Black, Medium, Best Quality
Suitable for Doctors, Chemists, &c.
(*Foreign*) Boxed **24/6** dozen

SURGEONS' GLOVES.
Rough or Smooth.
(*Foreign*)
Each pair in Envelope with Talc.
15/- dozen



GOODRICH COMBINATION SYRINGE

Size 2. Retail **9/-** 6/8 each
,, 3. ,, **10/-** 7/2 ,,



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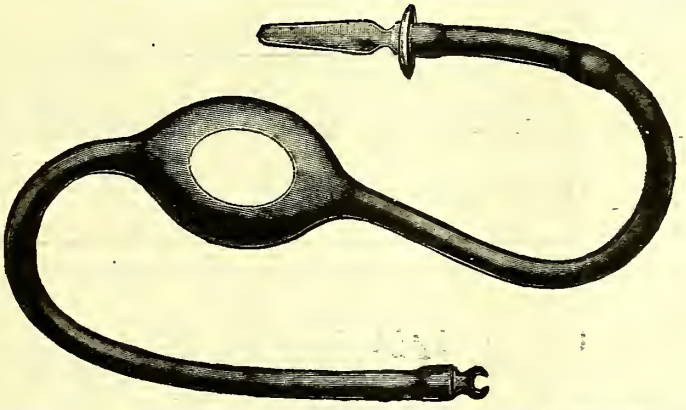
Fitted with No. 8 Ball
Superior Red Velvet Finish
Complete in Box **26/6** dozen
(*Foreign*)



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ENAMELLED BLACK, RED, GREEN, SEAMLESS, LARGE BULB, WITH BONE RECTUM AND GUM VAGINA PIPE, LEATHER SHIELD, IN STRONG OVAL BOX.

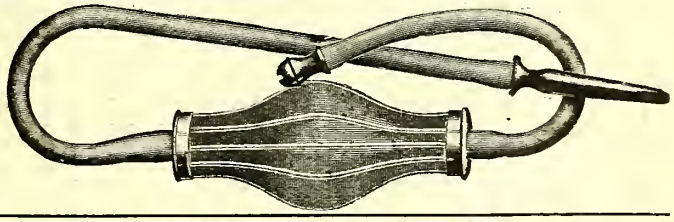
Complete (*Foreign*) **21/6** dozen

HIGGINSON'S PATTERN (Disconnecting)

Best Quality.

Complete in Dome Top Box, Spring Catch.

(*Foreign*) **38/-** dozen.



GLYCERINE SYRINGES (VULCANITE and GLASS)

Highly Polished and Well Made

EACH IN BOX				(*Foreign*)
¼ oz.	½ oz.	1 oz.	2 oz.	4 oz.
7/6	**10/6**	**19/-**	**26/-**	**48/-** dozen.

R. HOVENDEN & SONS, LTD. *Manufacturers' Merchants and Distributors, Importers and Exporters*
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"Victor" RUBBER SPONGES

OUR "VICTOR" Rubber Sponge has for many years been acknowledged to be the ideal sponge for toilet use.

Its special feature is the fine texture and smooth surface, a result achieved by special selection of the best quality durable rubber, and our own methods of technical control and manufacture.

SIX SIZES, OVAL AND ROUND.

Write for particulars, or order your requirements from your regular wholesaler. We also specialise in RUBBER SPONGE FLOORING, MATS, SHEETS, HOT WATER BOTTLES, HOSPITAL SHEETINGS, ETC.

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The IOCO RUBBER & WATERPROOFING Co LTD
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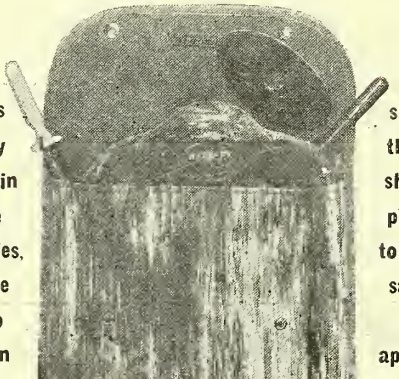
WE HOLD A COMPLETE RANGE

The illustration below shows our latest introduction, an Enema the pharmacist has been waiting for, packed in a marbled waterproof case which does not advertise its contents.

BRITISH MADE.

This article is already selling in large quantities, and we are so certain



of its success that we shall be pleased to send a sample on approval.

"NEWBERYS"
(F. NEWBERY & SONS LTD)

CHARTERHOUSE SQ., LONDON, E.C.1.
Tredegar House, CARDIFF. College Lane, LIVERPOOL.

We supply no one but Chemists and Druggists with

"SAFEGUARD" Rubber Goods

They are of Highest Quality and Packed Hygienically.

Samples and Prices on application.

BURGE, WARREN & RIDGLEY, LTD.
91/92 GREAT SAFFRON HILL, E.C.1
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"Hobson's Choice" FEET PLAISTERS POWDERS

From the usual Wholesalers or direct—
HOBSON, TRIMBLE & CO. LTD.
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Sell at Sight

It will pay handsomely to make a small display of

NORVIC Reg'd

BLUE CARTON CRÊPE BANDAGES

P.A.T.A Prices:

	2"	2½"	3"	3½"	4"
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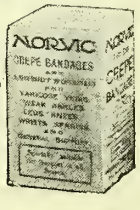

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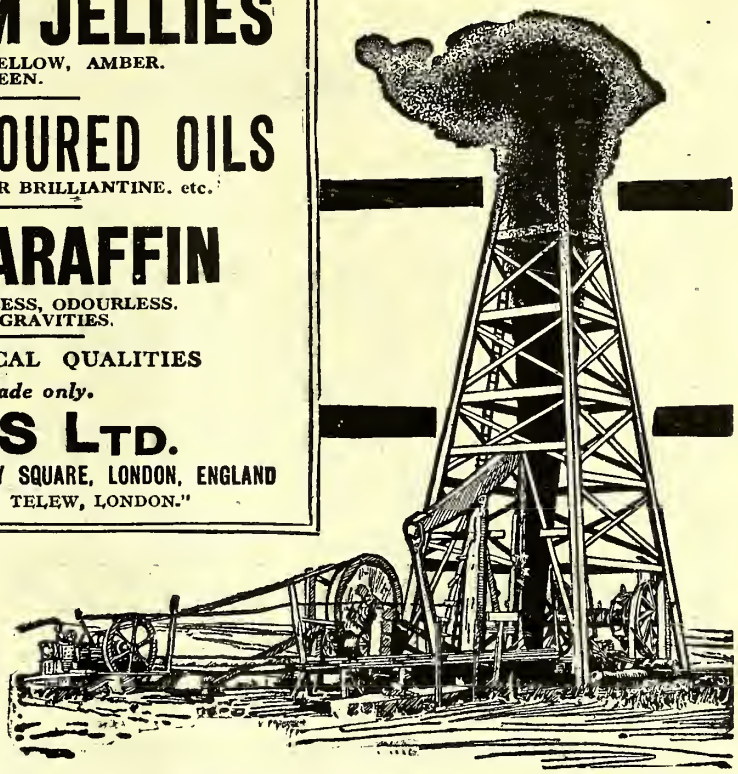

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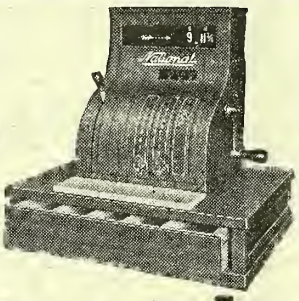

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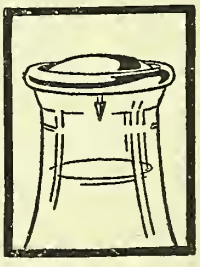

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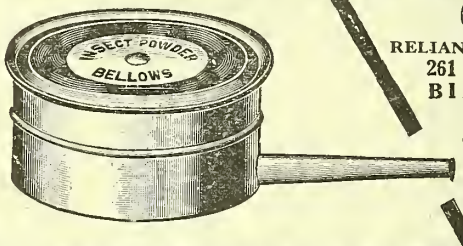

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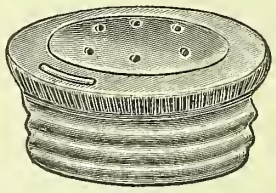

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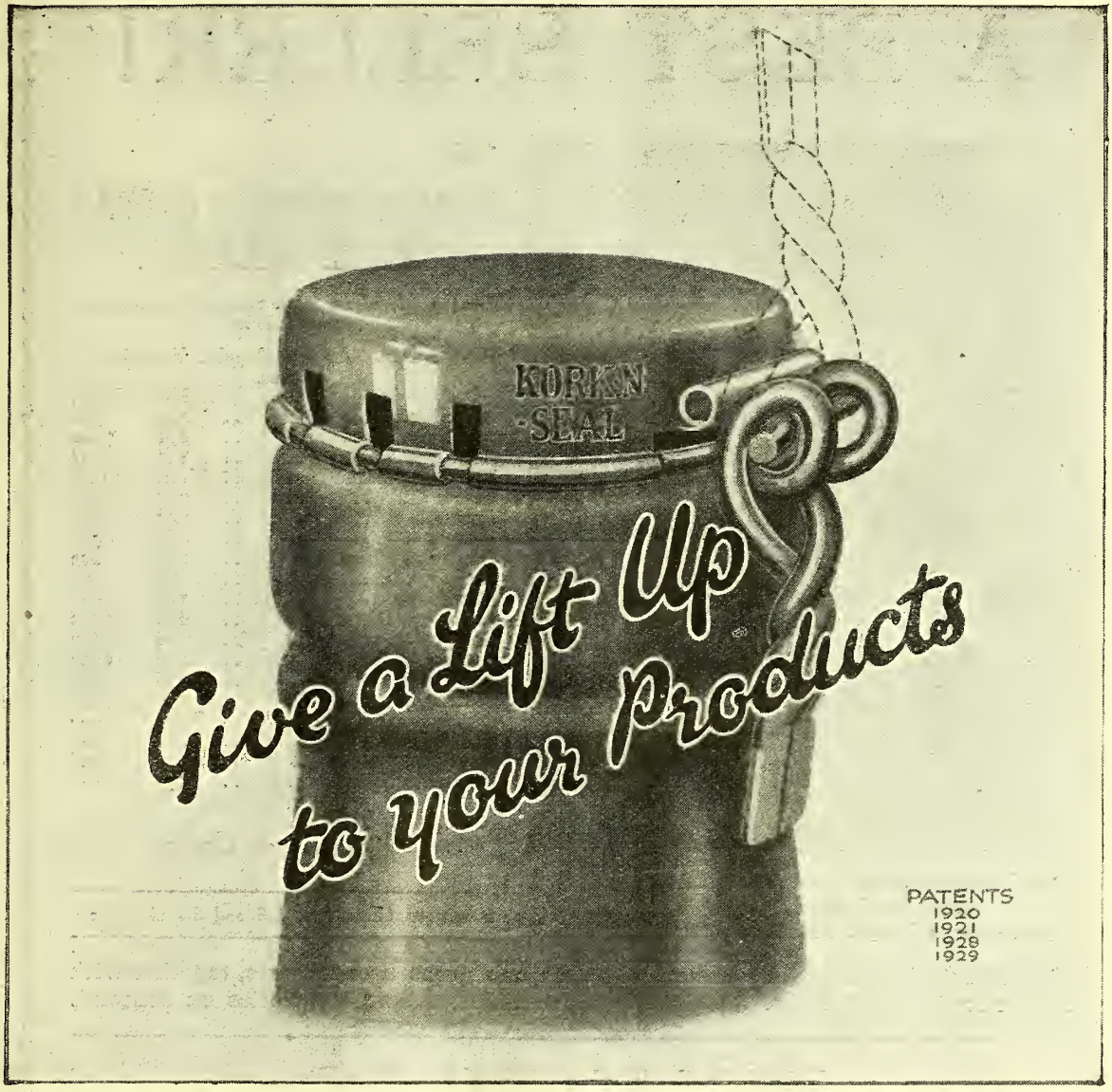

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28 ESSEX ST.
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JUNE 14, 1930

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4.—MIDDLESEX (New Suburb).—Good-class Retail Business, with Kodak Agency; returns last year about £2,300, with scope for further increase; corner shop, well fitted and stocked; there are two flats, one of which is sub-let at £55 per annum; vendor owns the property and will sell same or grant a lease at a rental to be agreed; price asked for business £1,700, or offer; vendor will accept less for the business from a buyer who also purchases the property; the property can be purchased on mortgage.

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7.—LONDON, S.W.—General Retail and Dispensing Business; returns at present approximately £1,000 under manager aged about 70; rent £56; sub-let approximately £90; price £600, or offer.

8.—SOUTH COAST.—Cash Retail and Dispensing Business; returns last year £3,255, with net profit £940; large double-fronted shop with five windows; well fitted and stocked; eleven-roomed house, with greenhouse and private entrance; rent £250; new lease; price £3,000.

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11.—KENT.—Old-established General Retail and Dispensing Business; returns over £3,000 per annum; good profits; the shop is well fitted in mahogany and fully stocked; held on lease at low rental; further details on application.

12.—SUSSEX COAST.—Good-class Retail and Dispensing Business established many years; returns exceed £2,850, with gross profit approximately £1,200; double-fronted shop, well fitted and stocked; extremely good house, which can be sub-let to cover the whole of rent if so desired; long lease; price to be arranged; this business offers scope for increase under more modern management.

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14.—SOUTHERN COUNTY.—General Retail and Dispensing Business; returns £2,000 per annum; net profit about £450; rent £160; sub-let £95; held on lease; stock and fixtures estimated to be worth £1,250; price £1,450.

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2.—LONDON, N.7.—Old-established Optical Business, combining recently established Pharmacy, held on lease with 14 years to run at a rental of £250 p.a., of which £135 is let on lease; returns £28 per week; very large shop, dispensary and sight-testing room, situate in busy main road; no opposition for some distance. Further particulars on application. (42)

3.—LEEDS.—Old-established Business for quick disposal, situate in busy main thoroughfare; returns average £30 per week; property for sale, consisting of 2 houses and one shop; one house sub-let at 10s. 6d. per week; price for property £950; price for business £550, all at. Further particulars on application. (37)

4.—LIVERPOOL.—General Retail Business, with N.H.I.; established many years; turnover for year ended March 31 £1,340, plus N.H.I. £380; with capable supervision this could be considerably increased; tenancy yearly at rental of £75 per annum, plus rates; price asked £500, plus stock at valuation (approximately £475). (40)

5.—LONDON, S.W.—Recently-established Retail Dispensing Business premises on 15 years' lease at £150 per annum, of which part is sub-let at £104 per annum; returns 1929, £1,932, all cash; Kodak and U.C.A.L. Agencies; price for quick sale £1,100 all at, or £750, plus s.a.v. (approximately £425). (41)

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3.—HAMPSHIRE (Market Town).—Good-class Family Retail and Dispensing Business; returns average £1,830; audited accounts; modern pharmacy; good position; fully stocked; price £1,400.

4.—SOUTH COAST.—Good-class Retail Dispensing and Photographic, in main shopping street, close to sea; returns under manager £2,000; good profits; large shop, modern fitted and fully stocked; price £1,500.

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6.—NORFOLK.—Unopposed Mixed Village Business, returning last year £1,059; sole cause of sale health reasons; good eight-roomed house, garage and over quarter-acre of fruit and flower garden; stock and fixtures worth £500; price £600.

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8.—GOLDERS GREEN.—Good-class Family Retail and Dispensing; returns about £2,000, under manager; good profits; handsome pharmacy, with flat over; long lease; offers invited; must be sold.

9.—LONDON (Essex Suburb).—Light Cash Retail, with Photo and N.H.I.; returns over £3,600; audited accounts; no immediate opposition; good stock; price with freehold £3,200; recommended.

10.—LONDON, S.E.—Sound Cash Retail, with Kodak Agency and N.H.I.; returns £1,560; net profit £480; audited accounts; house attached; low rent; long lease; fully stocked; price £1,150.

11.—HACKNEY.—Profitable Light Cash Retail, with N.H.I. and Photo; present returns £1,500; good profits; large shop; good position; well stocked; price £850; trial allowed.

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AGENCIES.

AGENT, covering Scotland by car, requires one or two new lines; 75 per cent. connection; guaranteed results. 141/11, Office of this Paper.

APPLICATIONS are invited from firms capable of marketing sound Proprietary to Chemists; article consists of Tonic Tablets, and yields substantial margin; manufactured and supplied by house of first-class standing; only reliable organisations sought. Apply 143/8, Office of this Paper.

BRITISH COLUMBIA.—Agencies wanted for English goods; advertiser prepared to finance and stock proved lines. Reference, Dominion Bank of Canada, Victoria, B.C. C. Plowman, M.P.S., 1579 Hampshire Road, Victoria, B.C.

BUYING Agents wanted for high-class Perfumery, Wax Perfumes and Beauty Preparations manufactured by well-known French firm. Applications are invited from responsible firms, to whom favourable contract is offered. Please write for particulars to H. E. Cortés & Son, 47/48 Berners Street, London, W.1.

IMPORTERS of Pharmaceutical Specialities and Proprietary Medicines, established 7 years, with connections in the domestic trade, want offers from a few first-class English or Continental firms desirous of developing their businesses; English and Spanish correspondence; exclusive territory; bankers' references. Isaias G. Lopez & Co., Box 899, Bogota, Colombia, South America.

MANUFACTURERS' Agent, 10 years' connection with Chemists in Greater London, open for additional line, first-class Proprietary or Perfumery; own car; excellent references; not more than four lines carried. 144/400, Office of this Paper.

PREMISES FOR SALE.

READING, BERKS.—No opposition in street; magnificent position adjoining centre of town; imposing Shop Premises, well suited for Chemist and associated trades; freehold, £8,500. Apply H. F. Dunster, 2 King's Road, Reading.

FREEHOLD Shops in new and growing district; excellent opening for Chemist; price £1,300, freehold. Full details of Sole Agents, Roper, Son & Chapman, 247 High Street, Hounslow.

SUSSEX.—For Sale, 40 miles out, prosperous town, good corner premises, suitable conversion; good opening for Chemist, Optician or Dentist; two front rooms vacant; for quick sale £650, or would let at reasonable rental. "Chemist," 52 Sussex Road, Haywards Heath.

PREMISES TO LET.

SHEFFIELD.—Well-lighted Shop, just reconstructed, on two floors; 1,500 sq. ft.; centre of City; prominent thoroughfare; opposite new "Daily Mail" building; suit good Wholesale or Retail business, particularly Chemist, Cafe, Antiques, Tailor, Boots, Hardware, Dyer and Cleaner, Draper, etc.; rent £275. J. Bright & Co. 35 Norfolk Street, Sheffield.

THE terrace of Freehold Shops situated in a most central and important position at the junction of Boston Road and Uxbridge Road, Hanwell, W.7, is almost completed, and shops are now available for renting or purchase. Particulars from the building owners, R.C.H., Ltd., 2 Robert Street, Adelphi, London, W.C.2.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

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DEVON.—Excellent opportunity; owner retiring; Dispensing and Family Business; takings £1,200 to £1,300; same proprietor over 30 years; fine position; corner premises; near Post Office; main thoroughfare; side entrance; good house; goodwill, fixtures, fittings, utensils, £500; stock at valuation; lease or sell premises. 143/23, Office of this Paper.

EAST CORNWALL COUNTRY TOWN.—Very old-established Druggist and Grocery Business offered, with freehold of property, consequent upon breakdown of principal; large double-fronted shop, commodious dwelling-house, and storage accommodation; excellent opportunity for qualified man; light stock at valuation. Full particulars of Oats, Partridge & Co., Auctioneers, Westwell Street, Plymouth.

IPSWICH.—Old-established Chemist's and Oil and Colourman's Business for Sale by executors, either with freehold property or vendors will grant lease; thickly populated district and capable of development. Further particulars on application to Turner, Martin & Symes, Solicitors, 4 and 6 Elm Street, Ipswich.

LONDON, S.W.—To be Sold at low price for cash owing to ill-health, Chemist's Business, pre-war rental, populous suburb; scope for increase all round; real bargain and opportunity for energetic person; situated main road; opposite station; upper flat let off. Further particulars on application. 139/39, Office of this Paper.

LONDON, W. DISTRICT.—Recently established Chemist's Business; Retail, N.H.I. and Photographic; lease 21 years at £55 rental; good living accommodation (3 rooms) and large basement, which could be converted for D. & P.; all fresh, saleable stock; good reason for disposal; £180, all at. 143/26, Office of this Paper.

LONDON, S.E.—Main road, well-fitted Drug Store; 5 rooms, kitchen, etc.; fine opportunity for qualified man; long lease at £60, rising £70; price £425, all at. Stocker & Roberts, 3 Railway Approach, Lewisham.

MIDLANDS; working-class district; immediate Disposal essential; main road; Kodak, N.H.I.; turnover £500; good living accommodation; for quick sale, £185; full inquiries and inspection invited. 145/2, Office of this Paper.

WIGAN DISTRICT.—Good-class Business for Sale, with comfortable living accommodation; cash returns average £14 weekly and in addition N.H.I., which numbered 6,631 for 1929; owner has to leave district for health reasons; Kodak Agency; cash required about £400. 140/39, Office of this Paper.

BRANCH Business for Sale in busy small town in Midlands; established 2½ years; takings last year to March 31 £1,040, improving; comfortable living accommodation; vendor's property; lease or would sell; gross profit 33⅓. Reply 145/14, Office of this Paper.

CHEMIST and Druggist, Family Cash Business; London; long lease; under management; takings about £35; could do more; growing locality; price £1,000. Also Drug Stores; 30 minutes from London; £400; genuine buyers only. 146/8, Office of this Paper.

CITY Business; for sale owing to ill health; general Retail business, with Kodak Agency; returns last year £3,256; accountant's figures; shop well fitted and heavily stocked; long lease; price £2,800. 172/139, Office of this Paper.

OLD-ESTABLISHED Country Business in Norfolk; Drugs, Wines, Spirits and small Ironmongery, N.H.I., Photography; electric light; very nice house, private entrance; garden and outhouses; side entrance; returns over £2,000; only chemist; good reasons selling; only buyers. "R.," 140/11, Office of this Paper.

PHARMACY for Sale, with house, main road, S.E.; excellent position for N.H.I.; Kodak Agency; net profit £11 per week; lease 14 years unexpired; rent £55; rates £32 per annum; upper part let at £1 8s. 6d. per week; vacant if required; cash register, fittings, lease, goodwill, good stock, all at, £1,695. 127/38, Office of this Paper.

SMALL Retail Business for Sale in thickly populated South-West district; prominent double-fronted shop; corner position; very advantageous terms. Write 140/7, Office of this Paper.

£500, RECENTLY valued; good stock and fittings; London, N.; takings over £20 weekly during present quiet period (lady managing); rent and rates £3 weekly; large shop; 20 years' lease; three rooms above (including one kitchen, bathroom); main road; capable of increase; Kodak; genuine reason disposal; £600 for quick sale. 138/19, Office of this Paper.

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Re A. J. Bradley, trading as Park Drug Stores. By order of the Trustee under a deed of assignment. Removed from 41 Tulse Hill.

S. W. FRYER, COOPER & CO.

will Sell by Auction at their Rooms, 3 Redcross Street, E.C.1, on Wednesday, June 18, at 2.30 p.m., the Stock of a CHEMIST, comprising Fancy Soaps, Perfumes, Brilliantines, Pastes and Powders, Patent Medicines, Ointments, Sponges, Manicure Sets, Cameras, Films and Photographic Materials, Shop Rounds, together with the Shop Fittings, Oak Show Case, Weighing Machine and Scales, Royal Typewriter, Film Winding Machine, Chairs, etc.

On View day prior and morning of Sale. Catalogues of the Auctioneers.

APPOINTMENT.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

APPLICATIONS are invited for the position of Librarian. Applicants must not be over 35 years of age, and preference will be given to one holding the qualification of Pharmacist or Pharmaceutical Chemist. Salary £250, rising by £25 to £350. Applications, which must contain full particulars of age, qualifications, education and experience, and be accompanied by the names and addresses of three persons willing to act as referees, must be received not later than first post on Monday, June 30. Envelopes must be marked "Librarian," and addressed to the Secretary, Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C.1.

APPRENTICES.

CITY Chemists wish to recommend their Apprentice (two years' experience) for continuation of Apprenticeship. Write in first place "Chemist," 103 Newgate Street, E.C.1.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES WANTED.

BERDOE & FISH are in immediate want of sonnd Businesses np to £4,000, and cordially invite correspondence from intending vendors. We have a large number of cash bnyers waiting, and are able to negotiate sales quickly and without publicity. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

BUSINESS wanted; S.W.; preferably Streatham district; tnrnover £2,000, with scope for increase; good neighbonrhood. Further particnlars to Holmes, 113 Moyser Road, S.W.16.

CHEMIST reqnires established bnsiness; net profit £350 to £450 essential; must bear strictest investigation; full particulars reqnired in first letter. Replies to "Chemist," 82 Ashton Road, Newton-le-Willows, Lancs.

DRUG Stores, either lock-np or with living accommodation, with scope for increase; advertiser wishes to pnrchase by deposit and balance by instalments. 144/32, Office of this Paper.

REQUIRED, bnsiness which conld be carried on by proprietor or with one assistant. Henry Grnndy, The Orchard, Crocksford Road, Newmarket.

SITUATIONS OPEN.

RETAIL (HOME).

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BIRMINGHAM.—Immediately, qnalified Chemist; either sex; permanency or temporary; state lowest salary. Apply Benton Smith, Ltd., Velvee-cling Toilet Specialists, Bull Street and Dalton Street, Birmingham. Central 0871.

BRIGHTON.—Wanted, yonng Jnnior Assistant; smart Window-dresser and good at Connter. State experience, age, salary and height, photo if possible. L. Benham, 6a Queen's Road, Brighton.

BRISTOL.—Vacancy for qnalified Assistant; Retail and Dispensing. State experience, age, and salary required to 140/1, Office of this Paper.

DOUGLAS, I.O.M.—Qnalified Assistant (male), with experience of high-class Pharmacy, Photography and qnick Connter work. Apply, giving fnll particulars as to age, experience, and names of previons employers for reference, to Geo. J. Maley, Chemist, 15 Strand Street, Donglas, Isle of Man.

EALING, W.—Manager (qnalified) reqnired for np-to-date Family bnsiness in good residential district; applicant must be able to dress windows and have modern merchandising knowledge. State height, age, salary, and when free. Bonns and commission offered to good man. 144/19, Office of this Paper.

EASTBOURNE.—Wanted, capable, qnalified and nnqnalified Assistant; good Salesmanship and reliable Dispensing experience essential. State fnll details of previous experience, age, height, salary required (ontdoors), and when disengaged to 144/30, Office of this Paper.

LANCASHIRE SEASIDE RESORT.—Qnalified Chemist immediately; mnst be a careful, accnrate Dispenser, good Window-dresser; capable of being left in charge in manager's absence. State age, height, salary, if single and reference, etc. 143/27, Office of this Paper.

LEEDS.—Vacancy for a good Assistant; mnst be competent Dispenser. State age, when disengaged, and salary expected to M. E. Murray, 221 Woodhouse Lane, Leeds.

LONDON, W.C.—Part-time qnalified Assistant (male); two days or half-days and alternate Sunday; personal application. Bnrden & Co., 41 Store Street, W.C.1.

LONDON.—Qualified Manager reqnired for holiday relief dnty nntil September; mnst be adaptable. Apply, stating experience, references, salary reqnired, to Ascott's Pharmacies, Ltd., Chemists, 48 and 50 Durham Road, N.7.

LONDON, E.—Qnalified Assistant; one with experience of middle-class trade and N.H.I. Dispensing preferred. State fnll particulars of experience, names of references, when disengaged, age, and salary reqnired. 145/12, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

LONDON, N.—Junior Assistant required, one having jnst completed pnpilage will suit, for good-class business. Give fnll particulars, age, height, salary reqnired, etc. 144/5, Office of this Paper.

LONDON, E.C.—Qnalified Assistant for busy city business; mnst be capable Dispenser and tactfnl Salesman; easy hours; no Sunday dnty. Full particnlars, age, wages, previons experience, and when at liberty to 144/200, Office of this Paper.

MARGATE.—Manager (qualified) reqnired for Family business; permanency offered to the right man possessing np-to-date ideas; Optical qnalification an advantage. State salary, age, height, and if at liberty. Bonns and commission given. 144/190, Office of this Paper.

MIDLANDS.—Smart Manager required for indnstrial business; no honse; mnst be keen and anxious to make progress; good prospects with progressive commission. Reply, giving details of previons experience, age and salary required, to 144/201, Office of this Paper.

NEWQUAY.—Lady Assistant reqnired; yonng; experienced in high-class pharmacy; state age, height and salary required. Full particulars and photograph. Raymond Smith, Chemist, Newquay.

SEASIDE RESORT.—Wanted, by good-class Dispensing and Retail Chemists with Photographics, competent and experienced Assistants for a period of about ten weeks. Fnll particulars of experience, age, height, salary reqnired, etc., and if convenient enclose photo (returnable), to D. T. Evans, Ltd., Chemists and Opticians, Margate.

ASSISTANT, nnqnalified (lady or gentleman), for season, Blackpool; smart Salesman, with good knowledge of Photographic and Toilet trade essential. State experience, age, salary required, and photo to 172/137, Office of this Paper.

ASSISTANT, lady (Hall preferred), must be capable Dispenser and nsed to general trade, reqnired till end of September or after. Apply, with full particnlars, references and salary required, to Arthnr Lnnn, Chemist, 316 Kilbnrn Lane, Maida Hill, W.9.

COPPEN BROS. reqnire a Locnm (fnlly qnalified) for their Richmond (Snrrey) branch, two weeks, commencing Angnst 25 to September 6; no Snnday work. Apply personally or by letter, Coppen Bros., 12½ Carey Street, Vincent Square, Westminster, S.W.1.

EXPERIENCED lady Dispenser (Hall) reqnired for a Special Hospital in London, July 31-August 22; salary £3 10s. per week. Apply, stating age, experience, and with copies of testimonials, to 172/138, Office of this Paper.

IMPROVER, age abont 18 or 19, for Light Retail and Dispensing business; no extra, Sunday or holiday dnties. Apply, with photo, stating age, salary required, and nsnal particulars, to A. W. Poole, 84 Sheen Road, Richmond, Snrrey.

JUNIOR or Improver in good-class Dispensing and Photographic Business; staff of four; one just ont of apprenticeship entertained. Apply personally, or send full particulars of height, salary and experience. Harold Mitchell & Co., 56 Woodgrange Road, Forest Gate, E.7.

JUNIOR Assistant or Improver (male) wanted June 23 for Dispensing, Photographic and Connter; no Snnday or night duty; outdoors. Apply, stating age, height and experience and salary reqnired, to H. S. Francis, 129 High Street, Guildford.

JUNIOR reqnired for high-class Family and Dispensing Business in London, S.E.; comfortable, progressive permanency. State age, experience and salary reqnired; interview essential. "P. B. P.," 111 Plnmstead High Street, S.E.18.

LADY Assistant reqnired for Golders Green district; must have knowledge of Toilets, Patent Medicines, and Photographic. Applications shonld state age, experience, and salary expected. 144/15, Office of this Paper.

LADY Assistant, English, nnqnalified, for S.W.; age about 30; nnst possess tact and ability at the Connter, Dispensing and Photographic experience necessary; one who has served regular apprenticeship and is interested in pharmacy. Apply, giving fnll particnlars of experience, age, salary required (outdoors), with photo if possible, "Salesman," 144/3, Office of this Paper.

LOCUM wanted, June 22 to 28. All particulars, including age, London references, and salary expected, to Bennetts, 7 Approach Road, Bethnal Green, E.2.

LOCUM wanted, lady or gentleman, qualified, for any period of 14 days between July 26 and September 6; medium-class business in Gloucester; highest-class references required. Apply, stating terms and necessary particulars, to "Chemist," c/o 110 High Street, Gloucester.

LOCUM, qualified (male), wanted, July 7, for 8 weeks (with a possible permanency) in good-class business in Midlands; must be about 25 years of age, with good appearance; competent Dispenser, Counterman and Window-dresser; preference given to abstainer. 144/22, Office of this Paper.

MANAGER, fully qualified, required shortly to take full control of good-class Dispensing, Retail and Photographic; age about 35-40; 10 miles from London in beautiful locality; outdoors; must be of good appearance and have had first-class experience. 143/30, Office of this Paper.

QUALIFIED Assistant required immediately; capable of taking charge of small branch; age 25-30; good Window-dresser and tactful Salesman; permanency to right man. Apply, giving full particulars and salary required, to S. Francis, Austins, Ltd., 196/202 Bermondsey Street, S.E.1.

QUALIFIED Lady Locum for three weeks beginning August 9th or 11th; no N.H.I. Rowcroft & Co., Ltd., 66 Week Street, Maidstone.

QUALIFIED Assistant wanted (age about 25 to 30) for good-class Agricultural and Dispensing business with Photography; must be well recommended and reliable. Age, height, experience, salary required (outdoors), and full particulars. Gwillim, Chemist, Brecon.

QUALIFIED Manager for relief work in London; must be smart and capable Counterman and Window-dresser; permanency given to suitable man who proves his ability. Send full details, age, experience, wages, when at liberty, to 144/20, Office of this Paper.

TWO female or two male Unqualified Assistants for fast Counter trade. State experience, wages, if disengaged. Lewis, Herbert's Drug Stores, 209 Vauxhall Bridge Road, S.W.1.

UNQUALIFIED Assistant wanted for July and August; good-class suburban business. Apply, giving references and salary required, to 143/37, Office of this Paper.

WANTED, a capable qualified Manager, about 30, to take charge of branch doing brisk N.H.I.; house attached; good-class neighbourhood N. London. State full particulars of experience, salary required, etc. 144/14, Office of this Paper.

YOUNG lady Assistant required (unqualified) for working-class business, Manchester area; general all-round knowledge; commence duties on July 7. Please give particulars of references, age, salary and experience, to 145/4, Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

NORTHERN IRELAND.—Southall Bros. & Barclay, Ltd., require a Representative for the above area. Apply, with full details of age, experience, qualifications and salary required, to 19 Lower Priory, Birmingham.

A FIRM of Manufacturing Chemists require an experienced Foreman; applicant must have knowledge of vacuum plant and be familiar with the manufacture of Malt Extract. Apply, stating age, experience, and salary required, to P.C.B. 61/23, Office of this Paper.

AN important London firm of Manufacturing Chemists have a vacancy on their factory staff for a qualified Chemist with experience; the opportunity is an exceptional one; applicant must have knowledge of vacuum plant and be thoroughly acquainted with the manufacture of Malted Foods, Malt Extract and its combinations, etc. Apply, stating age, qualifications, experience and salary required, to P.C.B. 61/230, Office of this Paper.

DRY Counter Hand wanted for Wholesale Druggists in North London. Apply, by letter, stating full particulars and experience, 172/123, Office of this Paper.

REPRESENTATIVE, country, wanted by London Wholesale Druggists. Reply, giving full particulars of experience, etc., to "Galen," 171/102, Office of this Paper.

REQUIRED by leading firm of Manufacturing Chemists, first-class Representative possessing personality, tact and energy, to consolidate and increase sound connection in South and South-West Counties amongst Chemists, Hospitals, etc.

Applicants must have previously travelled in Drugs and Packed Pharmaceuticals, and have thorough knowledge of ground.

The position offers scope for advancement. Every support will be given to a keen and loyal worker. 172/126, Office of this Paper.

REPRESENTATIVE required by manufacturer; must be a smart, energetic, keen worker, with established connection in high-grade Toilet Brushes amongst Wholesale Chemists and Sundriesmen in provinces and London; good salary and commission with splendid prospects to a keen man. Applicants must write, giving fullest particulars (in confidence) of previous experience, territory, age, and salary required. No applicants considered otherwise. 143/17, Office of this Paper.

REPRESENTATIVE, who has a connection with Doctors, required by a London firm of Wholesale Druggists. Apply, stating age and experience, to 172/141, Office of this Paper.

REPRESENTATIVE required to call on Retail Chemists in the Midland Counties; must be thoroughly experienced and under the age of 40. Only applications giving fullest particulars will be considered. 172/140, Office of this Paper.

REPRESENTATIVES, calling upon Chemists, Hairdressers and Departmental Stores, to carry two new quick-selling Perfumery Preparations as side line; all districts except London; commission only; £5 to £6 a week easily earned. Only men with good connections and whose records will stand investigation are asked to apply, stating age, experience, district, and present firms (in confidence), to Box 90, C. Vernon & Sons, Ltd., 38 Holborn Viaduct, E.C.1.

SPECIALITY House requires Foreman to control small staff and supervise manufacturing processes. Give full particulars, stating age, experience, salary expected, and enclose copies of testimonials; good permanent position; preference given to man who has had experience in Wholesale Laboratory. Apply P.C.B. 61/24, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A CAPABLE unqualified Assistant, age 29, desires permanency or relief; first-class seaside resort and spa experience; first-class references; at liberty June 9. "W. J.," 13 Royd Villas, Hebden Bridge, Yorks.

A COMPETENT unqualified Assistant, 23, seeks permanency in good-class business; 8½ years' all-round London experience; highly recommended; free June 16. Wornell, 8 Farnham Road, Seven Kings, Essex.

A QUALIFIED lady; Dispensing, N.H.I., Counter, Window-dressing, D. & P.; can take full charge; permanency. Miss Lurie, 8 Lancaster Road, N.W.3.

A QUALIFIED Locum, 25, male, now disengaged, desires berths London and suburbs; start at shortest notice. Apply, "M.P.S.," "Fleetwood," Woodford New Road, Woodford Green, Essex.

A QUALIFIED Scot, young, tall, good appearance, desires permanency; high-class Dispensing and Counter; London district; excellent references. 143/39, Office of this Paper.

A QUALIFIED Chemist, 27, essentially a Salesman, seeks position with City or West-End firm; high-class London experience; acquainted with ciné and still Photography from technical and selling points of view, modern Perfumery and Continental Proprietaries; excellent references. BM/ZVPE, W.C.1.

AN experienced lady Dispenser (Hall) desires post; Doctor, Chemist or Institution; capable Book-keeper, Typist; Locum or permanency. 129/18, Office of this Paper.

AS LOCUM.—Experienced Pharmacist and Optician; open dates, July 1-15 and all August; or permanency Private Family business from September; live over; sole control. "South," 17 St. Albans Crescent, Bournemouth.

AS Manager or Locum; 31; qualified 1920; reliable; good all-round experience; now disengaged. "Regex," "Lynton," Meadow Drive, N.W.4.

ASSISTANT; capable; experienced Dispenser and Counterman; single; active; mid-aged; unqualified. "Statim," c/o Miss Drewery, Kingsbridge House, Bracebridge, Lincoln.

ASSISTANT, 32 (Part I), desires change; excellent knowledge Photography (Cine), Counter, Window-dressing, Dispensing; accustomed to manage; undeniable references; present post 2 years; free month or less. Apply 143/10, Office of this Paper.

ASSISTANT; unqualified; experienced; Locum or permanent; can manage; disengaged. "W. T. P.," 72 Tremadoc Road, Clapham, S.W.4.

ASSISTANT, 20, Windows, Counter, Dispensing, good experience, wants work; Lancs preferred. "A. R.," 28 Clegg Street, Brierfield, Burnley, Lancs.

ASSISTANT; unqualified; 26; Scot; good appearance and address; abstainer; willing worker; good experience in Dispensing, Photographic, Window-dressing, and excellent Salesman; honest and reliable. 144/9, Office of this Paper.

ASSISTANT; 24; unqualified; experienced; N.H.I., Counter, Photographic; permanency preferred; now disengaged. 144/31, Office of this Paper.

BIRKENHEAD (or near).—Qualified; 37; married; low salary and commission; wife able to assist. Nicholls, 112 Argyle Street South, Birkenhead.

BOURNEMOUTH or District.—Assistant; 23; unqualified; single; tall; smart appearance; accurate Dispenser; experienced Counter, Photography, seven years; excellent references. Write "Norman," 51 Woodside Road, Bournemouth. 'Phone: Southbourne 1048.

BRANCH Manager, qualified, middle-aged, with long and varied experience, seeks position with living accommodation in provincial or coast town. 145/8, Office of this Paper.

DISENGAGED.—Young lady; tall; good address; 5 years' sound experience; unqualified; Cardiff, Newport preferred, not essential. 135/26, Office of this Paper.

DISENGAGED.—Assistant; 38; Apothecaries' Hall; 20 years' good-class Dispensing and Counter experience; Window-dresser and Photography; well recommended; energetic; capable of taking charge; excellent references; 70s. weekly (outdoors). "J. S.," 20 Worley Road, St. Albans.

DISENGAGED.—Locum, Manager or part time; thorough experience; reliable, active and obliging; abstainer; good references; £4 weekly; accustomed to brisk business. "Chemist," 585a High Road, Leytonstone.

EXPERIENCED lady Dispenser (Hall); post Doctor, Chemist, Institution; good Saleswoman, Nurse, Book-keeper. Westbourne Lodge, Harold Road, Clacton-on-Sea.

EXPERIENCED Assistant; tall; unqualified; middle-aged; first-class Dispensing, Counter, Photo; quick, clean, accurate; business builder; disengaged; permanency. Johnstone, 48 Bushey Grove Road, Watford.

HERNIA.—Expert Truss Fitter, Abdominal Belts, Rubber Goods, etc., Drugs and Sundries; good Salesman; highest references; Assistant or manage branch. Address "Surgical," 1 Lowwood Grove, Birkenhead.

IMPROVER (male), 19½, seeks situation; completed 3 years' apprenticeship; Part I; now disengaged. Further particulars, Davies, Penywern, Llanwrtyd Wells.

LADY Dispenser (Hall), experienced, requires post, Doctor or Institution; North London district preferred; good references. 135/25, Office of this Paper.

LADY Dispenser (Hall), experienced, requires Locum; at liberty from June 27-August 7. Burrell, Maltese House, Chelmsford, Essex.

LADY (23), unqualified, now disengaged, desires Locum or permanency; eight years' experience, town and country; Dispensing, Photographic, Counter, Window-dressing; excellent testimonials. Beckett, "Braeside," Bentham.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

LADY Dispenser-Secretary (Hall) requires post with Doctor; capable of minor dressings; good references; town preferred, not essential. "Dispenser," 144/28, Office of this Paper.

LADY Dispenser (Hall) requires post, Chemist, Doctor or Institution, Birmingham district; present position 3 years with two doctors; Book-keeping, etc.; good references; Hospital experience. 144/34, Office of this Paper.

LOCUM desired by Pharmacist, aged 26, for July in high-class business, London or South Coast; West-End and Continental experience (Italy). "S. E. B.," 14 England's Lane, Hampstead, N.W.3.

LOCUM; qualified; age 24; disengaged June 25 to August 6. G. B. Padwick, 5 Preston Street, Brighton.

LOCUM; Relief; Manager; "not registered"; 20 years' experience; Panel, Counter, Prescriber, Salesman. "Smart," 130 Scott-Ellis Gardens, N.W.8.

LOCUM.—Season's engagement or permanency; first-class references; disengaged. "Drugs," 64 Hunters Road, Handsworth, Birmingham.

LOCUM; qualified lady, 10 years' good all-round experience; excellent references; London area preferred. V. E. Evans, 11 Chepbourne Road, Bexhill-on-Sea, Sussex.

LOCUM; Part I student; 23; Coast preferred; open July 14 to August 9 and September 6 to October 4. Kerr, 1 Devonshire Mansions, Bromells Road, Clapham, S.W.4.

LOCUM; M.P.S.; vacant dates July 6 to August 5 and after September 18; all-round and Institution experience; accurate and rapid Dispenser. "M.P.S.," 62 Charlwood Street, Belgravia, S.W.

LOCUM; qualified; excellent references; abstainer; very capable Pharmacist. 16 Blacklands Road, Catford, S.E.6.

LOCUM or permanent; qualified Manager; 30; experienced; free June 30. 21 St. Saviour's Road, St. Leonards-on-Sea.

LOCUM or Manager; 37; disengaged; first-class experience; Pharmacy and Photography; excellent references. A. W. Findlay, 62 Lillie Road, Fulham.

L.T.—EXPERIENCED; competent; reliable; highly recommended; town or country; disengaged; terms reasonable. "Locum," 56 Rudloe Road, Balham.

MANAGER; 28; qualified; 11 years' experience, all branches; thoroughly competent and reliable; sound references; London or near. 144/38, Office of this Paper.

MANAGER; qualified; married; Photography, N.H.I., Counter and Dispensing; excellent testimonials; age 53; height 6ft.; able to control any staff. 146/10, Office of this Paper.

M.P.S., lady, 35, qualified 1920, desires permanency or Locum; Manager, Senior; reliable, accurate Dispenser, Prescriber, Counter; free July 21; sound references. Scrace, 83 Royal Avenue, Lowestoft.

M.P.S., 24, tall, desires change; permanency; good experience, Dispensing, Counter, Photographics and Optics; free one month. 144/4, Office of this Paper.

M.P.S., 23, desires change; excellent references; at present managing a Yorkshire business. Apply 146/5, Office of this Paper.

QUALIFIED Chemist, elderly, abstainer, reliable, desires berth; all-round experience. Ellinor, 15 Hogshaw Villas, Buxton.

QUALIFIED, 28, married, as Senior Assistant or Manager; 13 years' sound experience; excellent references; London or near preferred. 143/22, Office of this Paper.

QUALIFIED Manager; experienced in all branches; excellent references; keen business man; age 42; at liberty at short notice. P.C.B. 61/16, Office of this Paper.

QUALIFIED, 32, desires post, Manager or Assistant; good experience; permanency preferred; Locum considered. Griffiths, 24 Kincraig Street, Cardiff.

QUALIFIED; Locum, part time or emergency; capable, honest and sober; wide experience and energetic; disengaged. "E. W. H.," 5 Pimlico Road, S.W.1.

QUALIFIED; disengaged; age 30 years; 16 years' experience; tall; Locum or Managership. "C.," 35 Randolph Road, Prince Regent Lane, E.16.

QUALIFIED; widower; aged 50; tall; active; energetic; Dispensing, Photography; disengaged Jnly 7th. Young, 8 Sunbourne Road, St. Michael's, Liverpool.

UNQUALIFIED; 18 years' experience; smart Salesman; Photography; tall; disengaged; country preferred. Price, 32 Belmont Road, Exeter.

UNQUALIFIED; disengaged; Locum, permanent; tall; good appearance; pushful Salesman; Photo; all-round experience; can manage. 10 Miranda Road, Highgate.

UNQUALIFIED, 22, 6 years' seaside experience, 6 ft., desires situation July 10 to October 1. Dredge, 112 Miskin Street, Cardiff.

UNQUALIFIED Assistant; 22; 6 years' varied experience, Counter, Dispensing, Window-dressing; good references; disengaged June 28. 144/2, Office of this Paper.

YOUNG Lady (21) requires position with Photographic Dealers as Assistant Saleswoman; experienced in all sections of the trade; good Window-dresser; permanency. Write 146/9, Office of this Paper.

WHOLESALE.

A.—UNQUALIFIED wants situation, either Traveller, Stocktaker, Window-dresser, Dispenser or Salesman, Wholesale or Retail; 10 years own business in London; age 38; London or suburbs; Locum or permanency. 144/60, Office of this Paper.

A REPRESENTATIVE, excellent salesman and organiser, 10 years on Greater London district, is open to carry one extra line; own car; excellent references, ability and integrity. 144/40, Office of this Paper.

CHEMIST, 28, qualified, desires position with Wholesale as Representative; Drugs, etc.; Lancs, Cheshire district. 172/135, Office of this Paper.

EXPERIENCED Traveller, 28, seeks salaried representative post at once with well-known House; personal Chemist connection in South and West; own car. "L. C. C.," 16 Sholing Road, Itchen, Southampton.

GENTLEMAN, 38, good appearance and address, desires position in Wholesale as Buyer, Manager, or other similar capacity; 26 years' first-class Retail experience; thorough knowledge of Proprietaries, etc. B/M, PTFD, W.C.1.

QUALIFIED, age 30 years, married, diplomatic, healthy and good appearance, just sold own business, exceptional experience in all branches, desires permanent position, with scope, to represent a reputable Wholesale House; London and near preferred, but not essential; own car; interview. "Celt," 26 St. James Road, Upper Tooting, S.W.17.

QUALIFIED Chemist, young, tall, of good appearance and address, wishes to represent firm of Wholesale or Manufacturing Chemists, would accept small initial salary if prospects good; excellent references. 144/27, Office of this Paper.

SALESMAN.—Opportunity for good house to engage first-class Representative possessing personality, tact, and energy; established London connection, Wholesale Stores, Multiple Chemists, etc.; splendid sales record and references. P.C.B. 61/25, Office of this Paper.

SITUATION as Traveller or Assistant; having sold own company business after 10 years in London, would like to go on the road for a good firm; age 38. 144/6, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

TRAVELLER, with first-class connection with Hospitals in London and provinces, is open for engagement; salary, expenses, commission. P.C.B. 61/22, Office of this Paper.

WESTERN COUNTIES AND SOUTH WALES.—Pharmacist, age 38, with an established connection covering period 10 years, Wholesale and Retail, desires represent house or houses of repute; advertiser has a fine record of salesmanship. Clark, Shipley Road, Westbury-on-Trym, Bristol.

(COLONIAL, INDIAN AND FOREIGN.)

GERMAN Druggist, 27 years, Assistant's Certificate, Poison Certificate I-III, perfect in Drugs, Chemicals, Colours, Stock-keeping and managing, English finently, first elements of Spanish, unmarried, versed in Tropics, seeks situation as Warehouseman or Department Manager; Colonies preferred. Bruno Rasche, Essen-R., 20 Ouckenstreet, Germany.

FOR SALE.

CHEMISTS' Fittings for Sale.—Seven Glass Cases, Dispensing Screen, Glass Shelves, six Carboys, two Specie Jars, Shop Rounds, National Till, etc.; Manchester; seen by appointment. Apply 144/37, Office of this Paper.

THREE genuine Mahogany Nests of Drawers (all similar), each 5ft. long, containing 15 drawers, £5 each, for quick sale; one ditto, 7 ft. long, containing 18 drawers, for £6; all nests in beautiful condition; first cheque secures. Write in first instance, 144/36, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid.

The ANVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

CHEMISTS' FITTINGS.—Silent Salesman Cases, Drugfittings, Wallcases, Dispensing Screens, glass-front Counters, Perfume Cases, Window Enclosures, Glass Shelves, Mirrors, Counter Drawers. Before you decide send to GEORGE COOK, the well-known Chemists' Fitter, 27 Macclesfield Street, City Road, London, E.C.1. 40 years' experience.

SHOPFITTINGS, NEW OR SECOND-HAND.—In stock and ready for immediate despatch. Forward us the sizes of your pharmacy and we will quote by return of post. Write or call, PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy Fitters for over a Century."

£65 FOR COMPLETE PHARMACY.—8 ft. 6 in. Drug Fixture, 9 ft. 6 in. Counter fitted with two rows of drawers, 6 ft. Dispensing Screen with show cases and mirror, Silent Salesman, Gledhill Till. Call or write, RUDDUCK & CO., 219 Old Street, London, E.C.1.

£82 10S. for Set of Mahogany Fittings, comprising 10 ft. Drug Fitting (fitted 30 drawers with glass labels and knobs), 10 ft. glass-fronted Counter, 6 ft. Wall Case, 6 ft. Dispensing Screen, Perfumery Case and Desk. Illustrations on request. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

£90 FOR COMPLETE SET of Main Fittings, comprising: 10 ft. Drng Range, complete with 30 drawers with bevelled edge glass labels and two poison cupboards, shelves and lockers; 10 ft. glass-fronted Counter with drawers at back, 6 ft. Dispensing Screen, 6 ft. Wallcase, Perfumery Desk and Case. We have erected a complete Chemist Shop in our Show Rooms. 40-page Catalogue on request. D. MATTHEWS & SON, Chemist Shop Fitters, 14/16 Manchester Street, Liverpool.

A Vacant Post and Brilliant Prospects for the Right Man

AN AMBITIOUS EXPERIENCED AND RESPONSIBLE MAN IS REQUIRED to fill an important post rendered vacant by compulsory retirement owing to ill-health.

He will have multifarious duties to perform in understudying the Managing Director. He should be a man of sound judgment, experience of sales management, factory organisation, and wide experience in pharmacy and perfumery, with artistic taste in regard to the packing and get up of proprietary articles.

The post should appeal to a man of 35 or thereabouts, with great confidence in his own abilities, who is looking for a fresh post offering greater scope and freedom of action with certainty of rapid advancement as soon as he has established his position.

Apply, in strict confidence, to 172/134, Office of this Paper.

WELL-KNOWN FIRM OF MANUFACTURING CHEMISTS

have a POSITION shortly

VACANT FOR A PHARMACIST

with sound experience and abilities and with knowledge of sales organisation, for responsible administrative post. Directorship may be offered. Capital not essential.

Permanent progressive position at good salary. Replies treated with strict confidence.

Apply with full particulars to "Pharmacist," c/o Streets Advertising Offices, 8, Serle Street, W.C.2

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

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DISPENSING SCALES, B.D.H., new six months ago, also Cachet Machine, complete, new, 70s. lot, carriage paid; bargain. Clements, 1370 London Road, Norbury, S.W.

CHEMIST'S WALL FIXTURES, including two nests of drawers, Show Case, etc., and N.C.R. for immediate disposal. Craingold, Chemist, 146 Cheetham Hill Road, Manchester.

WANTED.

MATRICARIA CHAMOMILLA.—Fresh plant in flower in quantities of 5 or 10 lb. 172/136, Office of this Paper.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including B.P., Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books, Materia Medica Collections.

Printed for the Proprietors by THE AVENUE PRESS (L. UPCOTT GILL & SON, LTD.), 55 to 57 Drury Lane, W.C.2, and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 28 Essex Street, Strand, London, W.C.2.—June 14, 1930. [82/28]

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in platinum tone case

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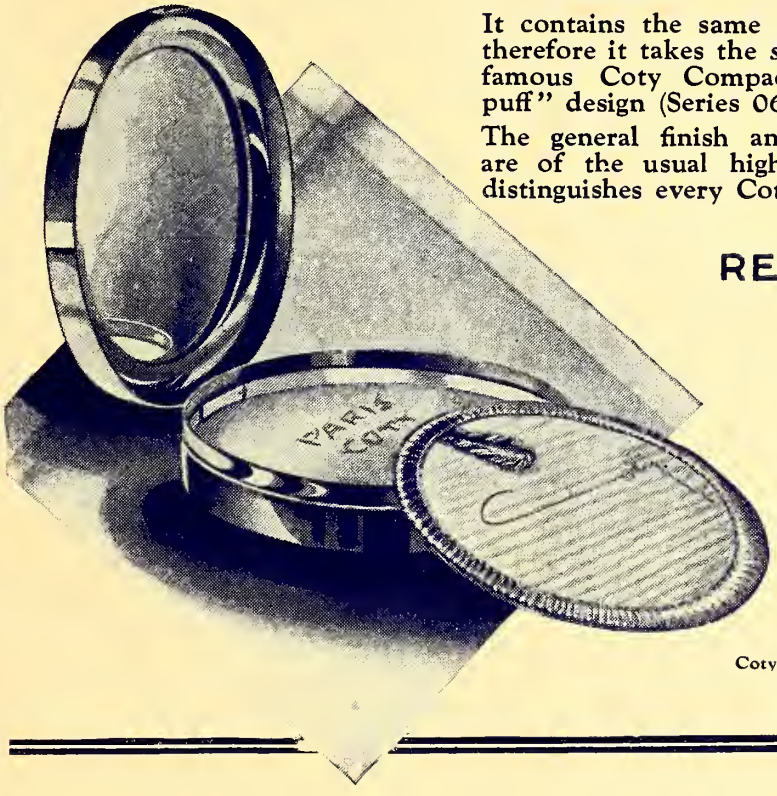

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Violet Oil, Eau de Quinine - -	9/-	13/6	22/- ,, ,,

Special bonus terms for quantities. *Write for particulars.*

GRAHAM STREET, CITY ROAD, LONDON, N.1

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